

APPENDIX A: DNA SEQUENCES

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>RXA00005

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>RXA00005-downstream

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>RXA00011-upstream

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>RXA00012-upstream

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>RXA00012

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>RXA00019

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09602639-1062300

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09602839-062300

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00602839 062300

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>RXA00966-upstream

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>RXA01252

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>RXA01346

RXA01347-upstream

>RXA01347

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>RXA01651-upstream
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>RXA01724
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>RXA01784

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>RXA01818

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>RXA01819-upstream

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>RXA01837

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00602096 "06300

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>RXA01862

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>RXA01878

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>RXA01878-downstream

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>RXA01954-upstream

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>RXA01954

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0960239-0620960

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>RXA02047
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RXA02065-upstream

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>RXA02110-upstream

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>RXA02167-upstream
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>RXA02167
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006290" 6E20960

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>RXA02416
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>RXN01676-upstream

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>RXN01733
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>RXN01837-upstream
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>RXN01837
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>RXN02989-downstream
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>RXN03033-upstream
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>RXN03033
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>RXN03038
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>RXN03040-upstream
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>RXN03040
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>RXN03040-downstream
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>RXN03049-upstream
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>RXN03049
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>RXN03049-downstream
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>RXN03051-upstream
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>RXN03051
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>RXN03052-upstream

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>RXN03052

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>RXN03054-upstream

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>RXN03054

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>RXN03069-upstream
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>RXN03069
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>RXN03070-upstream
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>RXN03070
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>RXN03070-downstream
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>RXN03078-upstream
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>RXN03078
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>RXN03102

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>RXN03118-upstream

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>RXN03118

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>RXN03118-downstream

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>RXN03121-upstream

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>RXN03121

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>RXN03130-upstream

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>RXN03130

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00602839 062300

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>RXS02145 - downstream
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>RXS02308 - upstream
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>RXS02308
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>RXS02308 - downstream
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>RXS02476 - upstream
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>RXS02476
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>RXS02476 - downstream
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>RXS02641 - upstream
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>RXS02641
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>RXS02641 - downstream
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>RXS02650 - upstream
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>RXS02650
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>RXS02760 - downstream
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>RXS02830
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CGCGTCTTGACGAATTCGCCCCGCGATTTTCCCCGCGTGCAAATTCACCTGATCTCGAACTTCACGCTG
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>RXS02830 - downstream
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>RXS02990 - upstream
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>RXS02990
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>RXS02990 - downstream
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>RXS03098 - upstream
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>RXS03098
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>RXS03098 - downstream
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>RXS03175
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>RXS03175 - downstream
TAAAATGCTGCTGACAATTCTAT

>RXS03207 - upstream
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CCTCTTGAACCGCAATTTAGGAGGCCAGTT

>RXS03207
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CAAACCAACGACAATCCCTCGCAGGACCTTGTTTCGCGTTTACCTCAACGGCATCGGCAAACTGCCTTG
CTTACCGCGGAGGATGAAGTTGAGCTCGCACAGACCATTGAGGTTGGCCTTTATGCAGAGCACCTTCTG
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GTCATCCGTTTTCGCTACGGCCTCGATGACGGTGTGCCACGCACCCTTGATCAGATTGGTCGCGGCTTC
GGACTGTCCCGTGAGCGCGTCCGCCAGATAGAGCGTGAAGTCATGAGTAAGCTCCGCGATGGAGAGCGC
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>RXS03207 - downstream
TAAAAGCGTGAACCTAACAATCGAAGCGTCG

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Appendix B: AMINO ACID SEQUENCES

> RXA00005 (1-1608, translated) 536 residues
 MHHEQPEGCE VGIRRTIPEE SRTAFLDMIN QGMSGLAAS AVGVSEFTGR KWAKAAGVKL
 TRGPRGGNAF DTAEKLEIAA SMLEKGCLPR EIGEYVGMTR ANISLWRKQG PDKLRQRAAT
 LRTGKRAAEF IHAPVMGPYY GPRTLHQVLR EDYTTLFDEL SALGLPAQVC GALLHLAPPP
 SLRFSYMSCV VPLFADEIKV VGQGTRLSLE EKMMIQRFDH TGVSAEIGR RLGRCRQTIS
 RELRRGQDDD GRYRARDSYE GAIRKLARPK TPKLDANRRRL RAVVVEALNN KLSPEQISGL
 LATEHANDSS MQISHETIYQ ALYVQKGKAL RDELKVEKFL RTGRKGRKPQ SKLPSRGKPW
 VEGALISQRP AEVADRAVPG HWEGDLVIGG ENQATALVTL VERTSRLTLI KRLGVNHEAS
 TVTDALVEMM GDLPQALRRS LTWDQGVEMA EHARFSVVTG CPVFFCDPHS PWQRGSNENT
 NGLVRDFFPK GTNFAKVSDE EVQRAQDLLN YRPRKMHGFK SATQVYEKIV VGASTD

> RXA00011 (1-357, translated) 119 residues
 VNTTDSAVRL THIPTGIVVT CQNEKSQIQN KASAMRVLQA KLLERKRQEE RAEMDALGAG
 GNASWGNQMR SYVLHPYQMV KDLRTNFEVN DPQKVLDGDI DGLLEAGIRW RMAESQSAE

> RXA00012 (1-876, translated) 292 residues
 MRPEFSAELS ELDSTLTIE KVLNPQEMSD RVRELEAQAA DPSLWDDPDH AQQVTSELSH
 VQAE LRKITD LRQRIEDLPI MVELAEEDG DTSIAEEELA DLRLSLIDALE VKTMLSGEYD
 AREAVINIRS GAGGVDAADW AEMLMRMYTR WAEKNGHKVD IYDISYAEAA GIKSATFVVH
 GDYMYGQLSV EQGAHRLVRI SPFDNQGRRQ TSFAEVEVLP VVEKVDSIDI PDADVRVDVY
 RSSGPGGQSS EHHRLCRAPD PHPNRHRGDL PKREITDPKQ GIRDACSPGK TA

> RXA00016 (1-894, translated) 298 residues
 VIRFREVDAA RKTYSVKRIC DVLKLNRRSY YKWKSTAFTR EKRLLSDAIL GVQVKTVFTT
 HSGCYGAKRI AAELKDQIGH DLANHKKRVAR IMRSLKLFY TKKRKVTTTV PDKTKTVFPD
 LVGRKFTADK PNQLYVGDI YLPIQDGSNM YLATVIDCYS RRLVGFSIAD HMRTSLVQDA
 LLMAKDQRGN LKGAIFHSDH GSVYTSHAFO ETCKKLGIRQ SMGSIGTSAD NALAESFNAA
 MKREVLQDSK TFENQLCCRR DVFRWCTRYN TVRRHSWCRY LAPVVFEERG PAILRSAS

> RXA00017 (1-294, translated) 98 residues
 MPRKTYTEEF KRDAVALYEN SAGTSIQKIA NDGINRMTL KNWITKYGAN STPHGANTAT
 ALSEAERIRQ LEKENALLRE ERDILRKAAC YFAEETNW

> RXA00019 (1-1860, translated) 620 residues
 MTVTSPAALA LSDMSYVDII KKKRGWTEF FHSTINTGET TTPLPDSRA TALIHHDHITK
 AQEITITDF DMDGISAGVI AYAGLAELGA QVNMVVPDYR GERNVTASDI DRALELYPAT
 SLIITCDVGI GSHEGIARAH ERSIAVLVTD HHMEVEPCQA DVVLNPNRID SDYPNKDICG
 AQVIFATLSD YARRYRADKI IDINLLAVFS GIGALADVMP LTRDTRPTVK QAIALRLAI
 PQVSKNRFEG WDTYAARSVN PDTSTLMHIV NASQHDHREI AAFQGISILL GELIAQKKLV
 NIDNISESFI GFTLGP MFNA TRRVGGDMHD SFLVFAPHA LASQPSMNP RHA AISRIID
 NNERRKELSK SSYA AVHSSD QPYAPFVWLS EAPSGILGLI ASQLTRESV PAIVINPDTL
 SGSARSPEWA PIITQVNTLS AQGHGGIHA GHEYACGMRF DNHDDIVTFV ATLDALDKNT
 PREAQPADLH LVDIDHARPV LDNPSLTQEL STVDAAVDAA QLLVLIDQLD QLQPFHGFT
 YPRIDVTFRP AETEFKVMGQ HHQHLKVITH SGLTLLWNNK AQLLDEIAQS ELVTMSVELD
 VNMFGRGFISP QGIVSACTVI

> RXA00046 (1-696, translated) 232 residues
 MDLNTQRSKL YAQLQGQLIV SVQAPDGHAM RDTHTLTHVA AACVDGGAPA IRCGGYGGLE
 DIRSISNRVD VPVFGLTKEG SEGVYITPTR DSVRAVAESG ATVCADATF RPRPDGSTFA
 ELVTVAHDSG ILIMADCATP EEVL SAHKAG ADFVSTTLAG YTEHREKTG PDFDCLREAR
 ELVPDAFLIG EGRFSNPADV AHGRLIGANA IIVGTGITDP GFITGQFASL LH

RXA00053 (1-393, translated) 131 residues
 VKKRINVTGA VLVKENRILA AQRGPEMSLP GYWEFFGGKI EQGETPEASL ARELKEELL
 DATVGEHLTT TEHEYDFGIV VLSTYFCTLN DAEPQLTEHA EIRWVAPHEL ESLEWAPADI
 PAVKLLVEQL A

> RXA00057 (1-99, translated) 33 residues

LGSIGTSADN ALAESFNAAL RREVLQDSKT FAN

RXA00069 (1-1383, translated) 461 residues

VAQQSIIDTV VNLCKRRGLV YPCGEIYGGT RSAWDYGPLG VELKENIKRQ WWRSMVTSRP
DVVGVDTSVI LPRQVWVTS G HVEVFTDPLV ESLNTHKRYR ADHLLSEQYEE KHGHPVNGL
ADINDPETGQ PGNWTEPKAF SGLLKTFLGP VDDEEGLHYL RPETAQGIFV NFKNVMNTSR
MKPPFGIANI GKSFRNEITP GNFIERTREF EQMEMEFFVK PGEDEEWHQH WIDTRLQWYI
NLGIKPENLR LYEHPQEKLS HYSKRTVDIE YAFNFANTKW GELEGIANRT DYDLRVHSEG
SGEDLSFFDQ ETNERWIPFV IEPAAGLGRA MMMFLMDAYH EDEAPNSKGG VDKRVVLKLD
RRLAPVKVAV LPLSKKDTLT PLAELKAAEL REFWNVDYDT SGAIGRRYR QDEIGTPFCV
TVDFDSLEDN AVTVRERDTM EQVRVPLDEL QGYLAQRLIG C

RXA00102 (1-768, translated) 256 residues

MPEGDSVFQL SRKLQFMRGR EVLETSLRVP SVALHDFTGQ TVNRVWPYGK HLFMQFGEEI
LHTHLKMEGT WAVHRKGRW RKPGRHTARVV LVLSENIEVV GHS LGFVRVF PANRYSEEIA
YLGPDVLAEE FDINTARNNI ASNPSRTIGE ALLDQSNLAG VGNEYRAEIC FLMGVHPATQ
VGYVDVEKAL KITRRLMWEN RNSPIRVTTG VRRAGESTYV FGRNNKPCRR CRTPIVKAEL
GERIIWWCPR CQPLNS

> RXA00107 (1-237, translated) 79 residues

MSNVTIYATD WCPYCRSLLK GLDGQEYDLI DVDQDEEAGE WVKSVNDGNR IVPTVRYSDG
THATNPLAAE VIAKIEALA

> RXA00124 (1-732, translated) 244 residues

MTKDVHYEVD ERKKTGVGKE EGVEYVEDQL GIDNLYAPEH SQLVSYLNNA IKAQELFTRD
KDYIVRNGEV MIVDGFTGRV LAGRRYNEGM HQAIEAKERV EIKNENQTLA TVTLQNYFRL
YTKLAGMTGT AETEAELNQ IYKLDVIAIP TNRPNQREDL TDLVYKTQEA KFAAVVDDIA
ERTEKGQPV L VGTVSVERSE YLSQLLTKRG IKHNVLNKHA HEQEAQIVAQ AGLPGAVTVA
TNMA

> RXA00125 (1-765, translated) 255 residues

VFGLSKVLRV GEGRVAVRLH KIADQVIALE DKFANLTDEE LKAKTAEFKE RIAGGEGGLDE
IFLEAFATAR EAAWRVLGQK HYHVQIMGGA ALHFGNVAEM RTGEGKTLTC VLPAYLNALE
GKGVHVVTVN DYLAKRDAEM MGRVHRYLGL EVGVILSDMR PDERREAYAA DITYGTNNEL
GFDYLRDNMA RSLSDLVQRG HNYAIVDEVD SILIDEARTP LIISGTSRRH IAVLQRLRTD
RPTHQGRSL RSRRT

> RXA00138 (1-561, translated) 187 residues

VATTADFKNQ LVLKNEGKLQ QIIIEFQHVKP GKGPAFVRTK LKDVVTGKTI DKTWNAGVKV
ETATVDRRDV TYLYNDGTSF IVMDDKTFEQ YELSPDAFGD AGRFLLNMR VQVSFHEGEA
LFGELPVSV L RVEHTDPGL QGDRSTGGTK PATLETGAEI QVPLFIETGN VLKVDTRDGS
YLSRVNN

> RXA00172 (1-450, translated) 150 residues

MFGSSFKEQT TNPRSQRVSY LRVSSDQNL ARQREAVNHS GHIDREFTDE LSGGAKSHRP
GLEDICINYL EDDVLVVASI DRLARSLVDL RVIIDRITDK GASVIFLKEN LTFAAGRDDP
RANMLGILG SFAEFERSII RERQAEGIAL

> RXA00184 (1-1173, translated) 391 residues

MSTVHDEMGV MNTTVKFLHS SDLQIGMTRW FLSDEAQARF DDDRIRAIK MGKIARKNQ
EFIVLAGDVF EHNSLEQRTT GRALEALRSL KLPVYLLPGN HDPLTADSLF YRAKDIDGVT
ILSDTVVHGV APGVEIIGAP LLHKMATSDL VAEALKDLEP TSNVRIAVGH GQAEARTTDH
RADLIDLNTV EAKLADGTID YLALGDTHSA QPVGTSKGVW FSGAPETTD F HDLDPDRVGG
EVNSGKVLIV SASKGDVSVE EVEVGKWTFF ALSKEITSGT DVEDFLDTLQ AYPDKSRTVI
KYGLRGITITL EQNRRLEGI AGLEDVFASL KPRERTDLDV LEPGEEELAN LDATGYAAEV
LRELADSVVN GAAPEDRDA LNLLFRLSRE V

RXA00209 (1-1491, translated) 497 residues

MTNKYLVEGS ENELTTKTAA ELAGLIHSRE VTSREVTQAH LDRIAAVDGD IHAFHLVHGQE
EALNAADDVD KRLDAGEAPA SALAGVPLAL KDVFTTTDAP TTAASKMLEG YMSPYDATVT
RKIREAGIPI LGKTNMDEFA MGSSTENSAY GPTHNPWDLE RTAGGSGGGS SAALAAGQAP

LAIGTDTGGS IRQPAALTNT VGVKPTYGTV SRYGLIACAS SLDQGGPTAR TVLDTALLHE
 VIAGHDAFDA TSVNRPVAPV VQAAREGANG DLKGVKVGTV KQFDRDGYQP GVLEAFHASV
 EQMRSQGAIE VEVDPCPHFDD ALGAYYLILP CEVSSNLARF DGMRYGLRAG DDGTRSADDEV
 MAYTRAQGFQ PEVKRRRIILG TYALSVGYD AYYLQAQRVR TLIAQDFAKA YEQVDILVSP
 TPTTTAFKLG EKVTDPLEMY NFDLCTLPLN LAGLAGMSLP SGLASDTGLP VGLQLMAPAF
 QDDRLYRVGA AFEAGRK

> RXA00210 (1-297, translated) 99 residues
 VPEISRDQVA HLAKLRLAL TEELEQFAG QIDDIVGYVS AVQNVDAAGV EPMSHPHSIA
 TTMREDVVHK TLDAAAALDQ APAVEDGRFM VPQILGEGD

RXA00217 (1-1095, translated) 365 residues
 MRVLAAMSGG VDSAVAASRA VAAGHEVVGV HLALSQDPQT VRESSRGCCS LEDSAADARRV
 CDKLGIPIFYV WDFSDRFKED VIDNFIDSYA IGETPNPCLR CNEKIKFAAL LERGIALGFD
 AVVTGHIYARL TQPADGGDGY LRRGVDPNKD QSYVLGVGLA HEIEHCMFPV GDTIKPEIRE
 EASAAGFSVA KKPDSYDICE IPDGNTQAFI GKHIGMRPGM IVDQEGTHLR EHAGVHEFTI
 GQRKGLDIKA PAADGRPRYV TDIDAKTGTV TVGTRENKLI STIHADRLKF LHPAMDGOID
 CEVQVRAHGG VVSCSATIDR DADFMVLNLN EPLQGVARGQ AAVLYLPDAD GDIVLGSGTI
 CHTES

> RXA00227 (1-798, translated) 266 residues
 MVMQIGIGRK LAATVLLVRD GIINGRPDVE VYIQERVSTM ANFPRTVFP GGGVDSRDFA
 DGHGKEVWRG PSAEEWGVRL GVEPHVAYAL VFAAVRELFE EAGTLAEHT DGSGLVKNAG
 QYHGRELLE THEMSTLDM LQSENLAIRSD LIVPFARWAS PEGNREQFDT FSFVAVEPEG
 QCADGNTSEA SSTGYFPARL ILDGWRAGLL RLVIPTWASL FELSQFKTVE ELLEYSAQVD
 MSPVLDDAVD NRYAEFYQA MRTERF

RXA00263 (1-1308, translated) 436 residues
 MKSTGNIIAD TICRTAELGL TITGASDAGD YTLIEADALD YTSTCPECSQ PGVFRHHTHR
 MLIDLPIVGF PTKLFIRLPR YRCTNPCTCKQ KYFQAEISCA DHGKVVTHRV TRWILQRLAI
 DRMSVHATAK ALGLGWDLTG QALDLMCREL VYNDPHHLDG VYVIGVDEHK WSHNRAKHGD
 GFVTIVIDMT GHRYDSRCPA RLDDVVPGRS ADALRSWLGS RGEQFRNQIR IVSMDGFQGY
 ATASKELIPS ARRVMDFPHV VRLAGDKLTA CRQLQREKY QRRGLSQDPL YKNRKTLLTT
 HKWLSRQQE SLEQLWAYDK DYGALKLAWL AYQAIIDCYQ MGNKREAKKK RTIIDQLRV
 LKGPKNELAQ LGRSLFKRLG DVLAYFDVGV SNGPVEAING RLEHLRGIAL GFRNLNHYIL
 RCLIHSGQLV HKINAL

> RXA00265 (1-450, translated) 150 residues
 MRSAGHPYID KFFPEPYKNM LELTKTLRKI YPDVDLPTSL IELVNVRSQ INCGGTCLSL
 HVPAARRAGV PEKKLDALAA WQMVDEFTVE EKAALQLAES LTLLESREGH LAARTACSVF
 AEEQVAALEW AIIAINAFNR ISIASGHPLL

> RXA00280 (1-501, translated) 167 residues
 VDTMKGDGDG WAAAPNGGAV WGKNGAAGLL LVADKQMLMQ HRAAWTNNGD TWALPGGARD
 SHETAAESAL REAFETGIL PDDVEVLDSI VTAGPFPADP ERPELAGNWT YTTVIARTKT
 GETLDTTANE ESLELRWVDI AAVDSLALMP AFAKAWPSLR KLLNTE

> RXA00304 (1-693, translated) 231 residues
 MTAPSTQDLA TTEREVDPGS RRGQTNDNPS QDLVRVYLNG IGKTALLTAE DEVELAQITIE
 VGLYAEHLLK NSEEPLTRAM KRDLKVLAKD GKKARSHLLE ANLRLVVSIA KRYTGRGMPL
 LDLIQEGNLG LIRAMEKFDY SKGFKFSTYA TWWIRQAITR GMADQSRTIR LPVHLVEQVN
 KLSRIKRELY QHLGREATNE ELAEESEGIE SKIEMLLRQS RDPVSLDMPV G

> RXA00314 (1-1380, translated) 460 residues
 VTLRIFDTGT RTLRFKPVQ PGHASVYLCG ATPQSSPHIG HVRSVAFAFI LRRWLMAKGL
 DVAFVRNVTD IDDKILTKAS ENGRPWWEVW STYEREFTWT YNTLGVLPSS TEPRATGHVT
 QMIKYMQRLL DNGFAYAVDG SVYFDVAWS KAEGSDYGSL SGNRVEDMEQ GEPDNFGKRG
 PQDFALWKA KPEPSWPTP WGDGRPGWHL ECSAMATYYL GEQFDIHCGG LDQFPHHEN
 EIAQAHAAAGD KFANYWMHNN WVTMAGEKMS KSLGNVLAVP EMLKQVRPVE LRYLGSAAH
 RSVLEYSESA LSEAAVGYRR IESFLERVGD VEVGEWTPGF EVAMDEDIAV PKALAEIHNA
 VREGNAALDK GDREAAEKLA SSVRAMTGVL GFDPEWGS D AGADGKADKA LDVLISSELE

RRATARAENK WAVADEVDR LADAGIEVVD TADGATWKLO

> RXA00331 (1-357, translated) 119 residues
 MVGHMSNDHP YSPAKRVGNF IFVSGALSVD KDYQPVVGRK EAVDAALERM RERLATAGGE
 LKDVVKLTYP VTDISLREEC NEQFREHFLE GRPARSFVGA SSLPYGATVE IDAIAMIED

> RXA00333 (1-534, translated) 178 residues
 MAVPEFIVSL REKVGQDPLW LPAVTAVVIR DVPPGSPFHV VPDVLLVKRA DTGEWTPPTG
 ICDPDEQPHV TAVREVKEET GLDVSVEALL GVGAVGPVTY QNGDVASYMD TTMRCVVSGD
 SDEPHVGDDE NVDVAWFPI S KMPVTNQRF R MVIADAVAQL KHPQGYKPRM GYEKRNAR

> RXA00454 (1-864, translated) 288 residues
 GDIATPAFIP VATKATVKTL TPEQIRETGA QAILSNAHYL YLQPGPDIVD EAGGVSAFEN
 WHGPTYTDSG GFQVMSLGSG FKKVLAMDTT NLTRNDIKAA KKERMALVDE DGVDKFSVID
 GSKHRTPEV SMQIQHQLGA DIIFAFDELT TLVDYDYQV ESVERTRRWA QRCLLEHERL
 TQERVDPKLPQ SLWGVVQGAQ FEDLRRQAVK GLLDLDRQAA DEGRRGFGGG GIGGALEKEN
 LGTIVGWVCD ELPEDKPRHL LGISEPDDL F VAVEAGADTF YCVAPTRL

> RXA00458 (1-228, translated) 76 residues
 MAGRYAPSPS GDLHFGNLRT ALLAWLFARS EGKKFLMRVE DIDEQRSFKE SAESQLADLS
 ALGLDWDGDV LYQSTR

> RXA00495 (1-564, translated) 188 residues
 LADTERELAD LVPQATAGDR RALQRIMEII HPIVLRARA RIGGGRQPTA EDVAQEICLA
 VATSIRNFVD QGRPFMAFVY GIASNKVADA HRAMSRDKST PIEEVPETSP DTFTPEDFAL
 VSDGSNRVRE LLDLLSEKAR DILILRVIVG LSAEETAEMV GSTPGAVRVA QHRALTTLRS
 TLEQQENK

> RXA00532 (1-585, translated) 195 residues
 AIVKSKERND AHVTELALAA GRGDRAALTD FIRETQDDVW RLLAHLGGHE IADDLTQETY
 LRVMSALPRF AARSSARTWL LSLARRVWVD NIRHDMARPR KSIVEYEDTG ATDASNAGIW
 SEWIDVRTLI DALPPERREA LILTQVLGYT YEEAAKIADV RVGTIRSRVA RARADLIAAT
 ATGDSSAEDG KSAQG

> RXA00539 (1-477, translated) 159 residues
 MTSIHDISVT LNDGTETTMA DWAGHLLLIIV NVASKCGLTP QYEGLOKLYE EYQDRGFFVI
 GVPNCQFNGQ EPGTDAEVCA FAQNQYDVTF PLLSKTEVNG EGAHPLYKVL KEATDGSEIE
 WNFEKFLVDA EGNTIKRFAP RTEPSAAEVV EAIEENLPI

> RXA00568 (1-1347, translated) 449 residues
 VKSSVEKLSD TRSKITVEVP FSELKPEIDQ AYAALAQQVQ IPGFRKGKAP RQLIDARFGR
 GAVLEQVVND MLPNRYAQAI EAEGIKAIGQ PNVEVTKIED NELVEFVAEV DVRPEFELPK
 FEDITVEVPA IKADEEAIEA ELETLRARFS TLKDHNNHKLK KGEFVTINIT ASIDGKIEE
 ATTEGLSYEI GSDDLIDGLD KALIGAKKDE TVEFTSELAN GEHKGKEAQI SVEITATKQR
 ELPELDDEFA QLASEFDTIE ELRESTVSDV EAKQKNEQAA AIRDEVLAAL LGEADFALPQ
 SIVDEQAHSQ LHQLLGELAH DDAALNSLLE AQGTTREEFD KKNVEDAEKA VRTQLFLDTL
 SEVEEPEVSQ QELTDHILFT AQS YGMDPNQ FIGQLQQSGQ IANLFSDVRR GKALQAICR
 VNVKDSEGNE IDPKEYFGEE EVAETES EA

> RXA00588 (1-522, translated) 174 residues
 MASVDKQYIT PETKAKLEEE LNALIAHRPA VAAEINERRE EGDLENAGY DAAREMQDQE
 EARIKQIYEL LANSTTEREG IIEGVANVGS VHVYYDGD E NDKETFLIGT RAGASENPDL
 ETYSEQSPLG AAILGAQEGD TRQYTAPNGS VISVTVVS AE PYNSAKAATL RGKN

> RXA00677 (1-216, translated) 72 residues
 MAKEGAIEVE GRIVEPLPNA MFRVELDNH KVLAHISGKM RQHYIRILPE DRVVELSPY
 DLTRGRIVYR YK

> RXA00687 (1-1320, translated) 440 residues
 VSATIQAFKD ADLRKKIFFT IAMIVLYRIG AQIPSPGVDY ATISGRLRDL TQDQSSVYSL
 INLFSGGALL QLSIFAIGIM PYITASIIVQ LLTVVIPHFE ELKKEGQSGQ AKMMQYTRYL

TVALALLQSS GIVALADREQ LLGAGIRVLS ADRNFFDLIV LVITMTAGAV LVMWMGELIT
 EKGVGNGMSL LIFAGIATRL PTDGMNILGN SGGVVFAVVL ASVLILVIGV VFVEQGORRI
 PVQYAKRMVG RRQYGGSSSTY LPLKVNQAGV IPVIFASSLI YMPVLITQIV NSGSLEVSND
 WWQRNIIAHL QTPSSWQYIV LYFALTIFFS YFYVSVQYDP AEQAENMKKY GGFIPGIRPG
 RPTAEYLGFB MNRLLFVGS LYLAVIAVLPN IMLDLGV DAG SAGATPFGGT AILILVSVL
 TTVKQIESQL LQSNYEGLLK

> RXA00736 (1-1887, translated) 629 residues
 AGLVFPKVRK HRDGAAMPLV VITETDLTGN RVGDIAGAKR RPAKRRNKVD PLALEPGDLV
 VHETHGIGRF VKMTERTISA GDETSRREYI VLEYAPSKRG QPGDQLYVPM DALDMLSRV
 GGEKPTLSKM GGSOWKNNAK KARAAREIA GELVELYAKR QSAPGHFPAP DTPWQKEMED
 NFPYVETEDQ MLADAVKED MEKSVPM DRV IIGDVGYGKT EVAVRAAFKA VQDGKQVAVL
 VPTTLAQQH QSTFEERMTG FPVTIKGLSR FTSPAESREI LSGLAAGSVD IVIGTHRLQ
 TGVQWKNLGL VIVDEEQRFG VEHKEHIKAL RTHVDVLTMS ATPIPRTLEM SMAGIREMTT
 MLTPPEDRHP ILTYVGPYED KQVAASIRRE LLRDGQVFFI HNKVADIEKK AREIRDLVPE
 ARVVVAHGQM SEELLEQTVO GFWDREYDVL VCTTIVETGL DISNANTLIV ENAHMGLSQ
 LHQLRGRVGR SRERGYAYFL YPKGATLTEM SYDRLATIAQ NNDLGAGMAV AMKDLEMARGA
 GNVLGAEQSG HIAGVGFDLY VRLVGEAVEA YRALADGKVV DGTVKGPKEI RVDLPVDAHI
 PEKYINAERL RLEIYRKLAQ SESEVDLRL

> RXA00737 (1-480, translated) 160 residues
 HPGNPTLVEM LSRIADSQDV DGMEALIPAL TDTPMVPML LMPENTHVLV IAPKVRRI
 ADLEATDAEF LMAGWEAAAM GADGPVAAEG LDLEASSYRS YESLEVSASK SDVRWWTFAP
 PGMFEASEEA TLPLDFEAGP APRGELPKID AMMAQLLAHT

> RXA00753 (1-1422, translated) 474 residues
 VVDGVGGYTE QEVAEIEHAI RQAQDSGAPN DELIPGEMWS DKVELPSTID KAAADEAEIA
 IAQQQSQPQA RGLAAAAACQ TFWPSPYQVC GAILERYIQ GAQFGWMLL TEGQALNPDG
 QGYRQRFMNG FIYWHFSTGA HAVNNYSAQV WERNGWESGW MGYPTGGEVP VSGSNPIDGE
 LSGWVQTFQG GRVYRSPVLD GFQVASINGL ILDKWLELGG PDSDLGFPIA DEAVTADGVG
 RFSVFQNGVV YWHPQHGAHP ILGNIYSIWR EEGAESGEFG YPIGDPEKYT ENMANQVFKE
 GELANLYPN PLEAFIEFLP FANLEEAIEY FENGLSNSRV EANSNNAKK SIQCQSQSAN
 IHVRTKSDGV GIRVPKIGFK ARMDCDLPGT VSDVVGYGWI YYDYWGRWAQ AAYAQQFFGN
 RNSVVQTNLE AGCSGEKNTL FWGTSYFQVT YEGQPYFGQS ATNYAYLPCT IDRS

> RXA00755 (1-1275, translated) 425 residues
 VPGKLRVHEL AKQLGITSKE LLATLKDKGE FVKTASSTIE PPVVKRMQEH YGSSGSDKSD
 TAAKPAAAKP AAPKPAASAA PKPGAPAKPA APAAKPAPAA PSAASAAPG AAPKPGVQAK
 PAAAKPGAP AKPAAPAAPS AAKSGSASKP AAAAKPAFSG PTPGDASKKA EPAAKPGAEEA
 PRPGGMPRPM GKPAKPGAR APRVANNPFS TGGGERPAPR PGGGPRPGG PRPGGPRPQ
 GQGRPGGQRD GQRDQQRDQ GNRGGQRQGA GAGGPRPQGG PRPQGGSRPQ GGSQAQAQGA
 PSQERQGGGR RPSPAMMPPT PGQMPAKAPG KGRGGQAGG GAGGGFNRGG GTGGGAGRGG
 RRGGTAGAFG RPPGAPRRGR KSKRQKRNEY ESMQAPNVIG GVRLPDGKGA TIRLARGASL
 ADFAD

> RXA00758 (1-1602, translated) 534 residues
 MTLKKS LAVT TAAALALSLA ACSSDSSSDS SSSSSGSEGG DNYVLVNGTE PQNPLVPGNT
 NEVGGRIVD SIFSGLVYYD VDGSPVNDVA ESIELEGDKT YRITIKDQGT FTDGTPVTAE
 SFVNAWNNV ANSTLSSYFF ESILGYEEGV ESMEGLQVVD DTTFTVELTQ PESDFPLRLG
 YSAFFPLPES AFDDMDAFGE NPIGNPYKL QEWNHNQDAT IVPNADYTGG RQAQNDGVKF
 IFYPTFDSAY ADLLSDNLDV LDAIPDSAFS SFEDELSGRS INQPSAVFQS FTIPESLEHF
 SGEEGLRRQ AISLAVNRDE ITQTIFEGTR TPATDFTSPV IDGHSDSLQG ADVLTYDPER
 AQELWAQADE ISPWSGEFSI SYNADGGHQA WVDATANSIR NTLGIDAIGN PYPDFKSLRD
 DVTNRTINGA FRTGWQADYP SLGNFLGPLY GTGAGSNDGD YSNPDFDAKL AEAANAADVD
 ASTPLYNEAQ EILLQDLPAI PTWYSNAVGG YSTNVNVEF QWNSQPAYYQ ITKN

> RXA00824 (1-558, translated) 186 residues
 MTSSAKWSIV GVVAIVAV ALIPQLVGGE SAEAAQGETS TSKITTRPDC VASGAAGVDL
 PCLGGANGVG NELATVVNLW AWWCEPCRAE LPIFDEFATT HPENLVIGVH ADQNAANGAA
 LLEDLGVNLA SYQDDSNLFA GTLGLPGVVP ITIVVSPDGN VVDTFPQPFE TIDDLTAVA
 GALQNA

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> RXA00976 (1-600, translated) 200 residues
MTPADLATLI KETAVEVLTS RELDTSVLPE QVVVERPRNP EHGDYATNIA LQVAKKVGQN
PRDLATWLAE ALAADD AIDS AEIAGPGFLN IRLAAAAQGE IVAKILAQGE TFGNSDHL SH
LDVNLEFVSA NPTGPIHLGG TRWAAVGD SL GRVLEASGAK VTREYYFNDH GRQIDRFALS
SSCSGEGGRAN ARRLWRRIH

> RXA00985 (1-495, translated) 165 residues
VLGHVLDALL RLLHPAMPFV TEVLWQALTD RTSIVVASWP TAADTNGGVA VDADAARRIG
DVEKLVTEVR RFRADQGVKP SQKVPARLDF VACDLQDLED SVRSLVRIEQ PEDDFAASAS
LEIRLSQATI TVELDTS GTV DVAAERKRLE KDLANAQKEL ETTAK

> RXA00998 (1-462, translated) 154 residues
MTSRDDQPQD LLSLAELAAT RALT TDELEA LNNANYGLDR NLGLRYTTIE PGRVVSELHV
ASKHLQVVGL VNGGVYAAIA ESTG SVASMI SAPGKMVVG I NNNTDFISAV SSGVIVAEAT
PIQLGGRTHL WQIECTHRGE VVARTTLRTM VLNK

> RXA01020 (1-747, translated) 249 residues
MTNTLWNSVD ELPIHDSWKP VLKPVEDAIR KLGVFLAEEE FLPPVDDVFR AFSYPF DAVK
VLIMGQDPYP TPGHAMGLSF STQPDVRPLP RSLNNIFKEL VSDVGS LGDS ASEQGALDLG
INAPG SVAGT QVALPADGDL RAWSNQGV AL FNRVLT VHPG QAGSHKKGW EAVTEQAIKA
LAERDQPLVA ILWGKQAQEV QKFLGDTPCI CSVHPSPLSA SRGFFGSKPF SRANEILSSL
GATEIDWSL

> RXA01061 (1-408, translated) 136 residues
LRVNTVVAKL IEYVNYLT KT YPDTIPAGAV LPLIVMVSP I APHIAEELWK KLGHDDTVTY
EPFPTFEEKW LTDDEIELPV QVNGKVRGRI TVAADASQE Q VIEAALADEK VQEQISGKNL
IKQIVVPGRM VNLVVK

> RXA01072 (1-231, translated) 77 residues
MAITVYTKPA CVQCNATKKA LDRAGLEYDL VDISLDEEAR EYVLALGYLQ APVVVADGSH
WSGFRPERIR EMATAAA

> RXA01124 (1-1509, translated) 503 residues
RWVRAINMAC MTDVRVRFCP SPTGTPHVGL VRTALFNWAY ARHTGGKLVF RIEDTDAARD
SEESYS AIID SLRWLGMDWD EGVEKGGPHE PYRQSORKDI YQDVLKQLID AGEVYPAYST
AEEVEERHKA AGRDPKLG YD NFDRDLTEE Q VAAFEAEGRK PVWRLRMPEQ DWKWTDLVRG
EVEFKSFTQP DFVVAR SNGE PLYTLVNPVD DALMEVTHVL RGEDLLPSTP RQLALYEALK
RIGVAKATPA FGHLFPVMGE GNKKLSKRDP QSSLFNHRDN GIIPEGMLNY LALLGWSLSA
DQDIFGVDEL IANFDVADVL GNPARFDQKK LEAINADHIR LLEPKDFEAR LRAYMTEYTE
FPADYPAEKF AIAAELVQTR IKVLSEAWDL LKFLVTADED LVFNEKAAKK NLKETAVEPL
NAGIAALEAV EEWTTPNIEA ALNKALIEDL GLKPRVAFGA LRIGISGEAV SPPLFESMEL
LGKESTLVRL KVTREQTPFV VAE

> RXA01179 (1-513, translated) 171 residues
MHSKEELTVR KGISRVLSVA VASSIGFGTV LTGTGIAAAQ DSAFDYGM DP NMNYPIDDI
KDRPEGLSNL PYFGSKLTSW GSSYATASSG VVTSALPQYT DPRYPLGKDD LPKATIDMEP
EVLARLERFV GVDGDRIRQI NAYSPSMGRT IPLVWVVPKD NTVPCPTVYA L

> RXA01199 (1-771, translated) 257 residues
VTSPHNFVSG AIDLGEVKAR ADARQKAHEQ GPVTQGIASS LDVTMENLEN EVLRRSTQVP
VIVLVGTPRS PDSEQLKSDL TTLAAESGRK FIFGYVNADT DADVAQVFGV QGLPSVIAVA
AGRPLADFQG GQPADALKQW TDQVVQAVGG QLEGLPEEAT DGEQEDAPVE DPRFDAATDA
LNRGAFDEAI AVYESILAQE PNNADAKQAP RYRKAVGPAC HRWILRWMLS LLQMLIQQTL
IWPTQATDAA VVAGDPE

> RXA01223 (1-612, translated) 204 residues
MTSVSFLSKI QALFAPKPEL PAAKWL VVGL GNPGAKYEST RHNVG YMCQD MLIDAHQQQP
LTPATGYKAL TTQLAPGVLA VRSTTFMNHS GQGVAPIAAA LGIPAERIIV IHDELDLPAG
KVRLKKG GNE NGHNGLKSLT EELGTRDYLR VRIGISRPPA GMAVPDYVLE PVDHDQPGIE
LAAEAVDLLL AQLSAAQNA IHSR

> RXA01226 (1-444, translated) 148 residues
 AEELVSRSG SFSVHKRSNT DIAQLPGLIV AKPRSFMMNLS GTPIRALCDF FKISPANVIV
 VHDELELDFG SVKLRQGGGD HGHNGLKSTS KSLGTKDYWK LSMGIGRPPG RMDPASFVLK
 PFGKQELADI PIMAADAADL VEKHLQQG

> RXA01228 (1-216, translated) 72 residues
 VHFIVENLIF SAESNALRAQ LMLSILGSFA EFERSIIRER QAEGIAWRKR PASTRAANAP
 SPRTTSRKPG NG

> RXA01252 (1-654, translated) 218 residues
 VFEGPLQDLI DELSRLPGVG PKSAQRIAFH LLNVDPSPDIT RLQEALGGVR DGVQFCRICC
 NISREEVCRI CSDSGRDGGT ICVVEEPKDI QVIERTGEFS GRYHVLGGAL DPLANIGPRE
 LNISTLLQRI GGVLPDRELA DSTPENKLFED ATPTVREVIL ATDPNTEGEA TASYLGRLK
 DFPDLVISRL ASGMPLGGDL EFDVDELTLR ALSGRLQI

> RXA01264 (1-216, translated) 72 residues
 MDELAQLGHT LWRRRKNVLA SFNIGASNGP VEAINGRLEH LRGITLGRFN LNHYILRCLI
 QAGQLQRKIN VL

> RXA01265 (1-150, translated) 50 residues
 MSVSATAKAL KIGWELVNQV ALDACRQLIY NDPRHLEVDE HVWKYTRKPG

> RXA01274 (1-1095, translated) 365 residues
 MKLLRRIAAP AIALGIAMST IVTPSTAGAA EVTPADVAGD TALSTISDSA PADEASAPRW
 RAHVNAADER VKEMWAYSPTS MDRNVPLVVI TADESAGPRP VIYLLNGGDG GEGANWVMQ
 TDVLDIFYLEK NVNVVIPMEG KFSYYTDWVE ENASLGGKQM WETFLVKELP GPLEEKLNTD
 GQRAIAGMSM SATTSLLFPQ HFPGFYDAAA SFSGCAATSS LLPWEYLKLT LDRGNATPEQ
 MWGPRGGEYN IYNDALINSK KLRGTLEYVS NASGLAGEWE SVDSRPFEGE NQQVQSIAMA
 ETVVTGGIIE AATNKCTHDL KAKLDSAGIP ADWNLRTPTGT HSWGWWQDDL RGSWTTFARA
 FELEA

> RXA01278 (1-2127, translated) 709 residues
 VAQEVKLDLN KVRNIGIMAH IDAGKTTTTT RILFYTGIRN KVGETHDGGA TTDWMEQEKE
 RGITITSAV TCFWDNNQVN IIDTPGHVDF TVEVERSLRV LDGAVAVFDG KEGVEPQSEQ
 VWRQATKYDV PRICFVNKMD KLGADFYFTV GTIEDRLGAK PLVMQLPIGA EDNFDGVIDL
 LEMKALTWRG VTPIGTEATV EEIPAEALDR AAEYREKLE TVEADEELM EKYFGGEELS
 IAEIKAAIRK MVMNSEIYPV YCGTAYKNKG IQPLLDVVD FLPSPLDLGE TKGTDVKDPE
 KVLTRKPSDE EPLSALAFKI AAHPFFGKLT FVRLYSGKVE PGEQVLNSTK NKKERIGKLF
 QMHANKENPV EVAHAGNIYA FIGLKDTTGT DTLCDANAPI ILESMDFPDP VIQVAIEPKT
 KSDQEKLGVA IQKLAEDPT FTVHLDDDESQ QTVIGGMGEL HLDVLVDRMK REFKVEANIG
 DPQVAYRETI RKPVESLSYT HKKQTGGSGQ FAKVIITIEP YAPEADELEE GESAIYKFEN
 AVTGGRVPRE YIPSVDAGIQ DAMQYGFAG YPLNVKATL EDGAYHDVDS SEMAFKLAGS
 QAFKEAVAKA KPVLLPIMS VEITTPPEYM GEVIGDVNSR RGQIASMDDR AGAKLVKAKV
 PLSQMFQYVG DLRSKTQGRA NYSMVFDSSA EVPANVAADV IAERNGTAS

> RXA01283 (1-1293, translated) 431 residues
 TRQGVVRPVA AEVLDTAGAV TGYTRHDLIE TSVSGRVLG DATNAAGEVV LAAGTDLTEL
 NIDLLVEAGI KDVKVRSVLT CQPTGVCAK CYGKSMASGQ QVDIGEAVGI VAAQSIGEPG
 TQLTMRTFHQ GGVGGDITGG LPRVQELFEA RVPKNCAPIA SVEGVHLED EGNFYTLTIV
 PDDGSDNVVY EKLSKRQGLA STRVAMESNA GAFIERTLTE GDRVTVGQRL LRGAADPHDV
 LEILGRRGVE QHLIYEVQAV YRAQGVAIHD KHIEIIIRQM LRRGTVIESG STEFLPGSLV
 DLSEAKLANS EAIGAGGQPA ELRSEIMGIT KASLATESWL SAASFQETTR VLTDAAINKR
 SDKLIGLKEN VIIGKLIPAG TGISRYRNI IKPTEAARNA AYSIPTYGES IYGDGFGFGE
 TGASVPLDEA F

> RXA01284 (1-507, translated) 169 residues
 VDHGKTTTTA AITKVLADTY PELNQAFAD SIDKAPEEKE RGITINISHV EYQTEKRHYA
 HVDAPGHADY IKNMITGAAQ MDGAILVVA TDGPMPQTRE HVLLARQGVV PYILVALNKC
 DMVEDEEIEE LVEMEVELL AEQDYDEEAP IVHISALKAL EGDEKWKQ

> RXA01327 (1-144, translated) 48 residues

VLDVNVFDEL RIGLATADDI RRWSKGEVKK PETINYRTLK PEKDGLFCER IFGPTRDWEC
ACGKYKRVRY KGIICERCGV EVTKSKVRRE RMGHIELAAP VTHIWYFKGV PSRLGYLLDL
APK

> RXA01388 (1-132, translated) 44 residues
MNEEVLSANG TPMKLAGDDD DFDQAGASIG INLSRDERSD ADTA

> RXA01398 (1-636, translated) 212 residues
KETAEDYRYF NDPDLPPVIA PREWVEEIRA TLPELPWVRR ARIQEEWKLS DAEMRDLINA
NALDLIIETV EAGTTPDEAR AWWVSYSISK ANESGVELDA LGVAPAHVAR VVALVSEGKL
TNKLARQAIQ GVIAGEGDVD AVVAARGLEV VRDDGAIEKA VDDALAANPD IVEKYRAGNT
KVTGAIVGAV MKATRKGADP AQVNQLIAKK LA

> RXA01431 (1-321, translated) 107 residues
MSNVVAVTEQ TFKSTVIDSD KPVIVDFWAE WCGPCKKLSP IIEEIAGEYG DKAVVASVDV
DAERTLGAMF QIMSIPSVLI FKNQAKVEEF VGLRPKNEIV EKLEKHL

> RXA01432 (1-951, translated) 317 residues
MSEEQSAVAP KIHDAVIGS GPAGYTAAVY AARADLNPIM FEGYEYGGSL MTTTDVENFP
GFEEKILGPE LMENMRAQAE RFGTDMHMEI VDRVDLTGDI KKLWVGDDDEY HARAVILSMG
SAPRYLGVKG EQELLGRGVS ACATCDGFFF RDQDIIVIGG GDSAMEEATF LTKFARSVTI
VHRREEFRAS AIMLERAQKN EKIRFVTNKT VEEVIEADGK VSGLKLNDTV TGEDSVLDVT
AMFVAIGHDP RSEILAGQVE VDPSNYVLVQ EPSTRTNLDG VFAAGDLVDS HYQQAITAAG
SGCRAAIDAE HYLASLA

> RXA01433 (1-603, translated) 201 residues
MTVLPKNHDL SDTQLVKQFI SGDSRAFASTI IHRHERHMMQ AARKYGRKPE DAQDILQEAL
FRASRNHMLY RAEALGTWL HKLVLSNGFD WATHRSQVEF PILNEPTIDL EKDPRLATDP
LGYLDVAMTI RSAIDQLHPD QRIALILVDL GGYTVEDVAE IEGIKVGTVK SRRGRARKAL
RALLHADFFG PEDGSIQCES N

> RXA01443 (1-831, translated) 277 residues
VLKINRSSY KWKKTAPTRS NRLLSDAVLG AKIKSIFTKE RGCYGSKRIT AELNDDPGST
PVNHKRVARI MASLKLFGFT KKRRVITTVS DKKKPVFPDL VKRHFNALAA NEVYVGDTY
LPIADGTNMY LATVIDCYSR RLVGFAIADH MRTSLVQEAL LMAKSQRGSL KGAVFHSDHG
SVYTSQAFQD TCKKLGVRQS MGAVGTSADN SLAESFNAAL KREVLQDSKT FANQLVCRRE
VFRWCTRYST NRRHSWCGYV VPAVFESRNL AILKSVS

> RXA01444 (1-267, translated) 89 residues
MPTKTYSEEF KRDAVALYEN SDGASLQQIA NDLGINRVTL KNWIIKYGSN HNVQGTTPSA
AVSEAEQIRQ LKKENALQRA RTRHPAESC

> RXA01449 (1-1041, translated) 347 residues
LKLFISSALI AGTVSLTLFS SPLASAQSSG LSSVLSSSEDS SATNSEQDFE KSSESGSSAQ
DFIALSTANP DLTGGSVEGL LSSMSLIGSS QLPLGGPLLS SDSNYPLETD PSITEARIVE
KRVNLGLRLE KWSVASPSMQ RNVDVQIMKS AEADSPAPML YMLDGIGGNK NSSGWINNGE
GPKVFADENV TVVMPLGAAS SMYSDWLEED PALGRIKWET FIVEELAPLL EAEELNLFNG
HRGIGGLSMG ATGAVHLANS NPDLFDGVIG ISGCYSTLDP IGQTTVSLIV NSRGGNVENM
WGPTGSETWK AHDVTSNPEG LRDMAYVLSA ANGVVDDIDL ADSEKEP

> RXA01490 (1-891, translated) 297 residues
MNAPAPKPGL VIVDKPAGMT SHDVVSKLRR AFSTRKVGHA GTLDPMATGV LVVGIERGTR
FLAHMVASTK AYDATIRLGA ATSTDDAEGE VISTTDASGL DHSTILAEIV NLTGDIMQKP
TKVSAIKIDG KRAHERVRDG EEVDIPARPV TVSVFDVLDY HVDGEFYDLD VRVHCSSGT
IRALARDLGN ALQVGGHLLA LRRTEVGPFT LNDATPLSKL QENPELSLNL DQALTRSYPV
LDITEDEGVD LSMGKWLEPR GLKGVHAAVT PSGKAVALIE EKGKRLATVF VAHPNTL

> RXA01493 (1-1311, translated) 437 residues
MSMSNNDFEH ESHDVSQKI FGLAFPALGV LAAMPYLLLL DTAVVGTLLG FELAAALGAAT
TIQAQVTTQL TFLSYGTTAR SSRIFGMGDR RGAIAGEVQA TWVALFVGLG ILLTMLIGAP
TFALWLSGDE ALAQEAGHWL RVAFAVPLI LMIMAGNGWL RGIQNTKLPL YFTLAGVIPG

AILIPIFVAK FGLVGS AWAN LIAEAITASL FLGALIKHHE GSWKPSWTVM KNQLVLGRDL
IMRSMFSQVA FLSAAVAAR FGTASLAAHQ VLLQLWNFIT LVLD SLAIAA QTLTGAALGA
GTAKVARRVG NQVIKYSLIF AGGLGLVFV LHSWIPRIFT QDADVLDIAIA SPWWIMVAMI
ILGGIVFAID GVLLGAADAV FLRNASILAV VVGFLPGVWI SYALDAGLTG VWCGLLAFIL
IRLFAVIWRF KSMKWAR

RXA01496 (1-1728, translated) 576 residues

ADAAAALVQAL FNLGEMVTAT ASVSDETLQL LGEEMNYKVQ VVSPEDRE LLESFDLQFG
EDEGGEADLA KRPPVVTVMG HVDHGKTRLL DTKRANVGS DEAGGITQGI GAYQVKVNVE
DTERITITFLD TPGHEAFTAM RARGAKSTDI AVLVAADDG VMPQTVEAIN HAKAADVPIV
VAVNKIDKPE ASPEKIRGQL TEYGLIPEEY GGDITFVDIS AKQGLNIDEL LASVCLTADA
ELDLVANPEM DAQGV AIEAH LDRGRGPVAT VIVQRGTLRV GDSIVAGDTY GRVRRMVDEY
GRDVEEAGPS RPVQVQGLNG VPGAGDNLLV VEDDRIARQI ANQRNARKRN ALAARSKRKV
SLEDLDSVLK EHSTLNLILK GDNAGSVEAL EEALLKIEMD DEVQLNIIDR GVGAVTQTNV
TLAAASDAVI IAFNVRAEGK ATEEANAEGV DVRYTIIYR AIEEVEAALK GMLKPIYEER
VIGHAEIRAI FKASSVGLIA GCMVEDGKVR RNATVRIIRD GNVAIENAKI VSLRREKDDA
TEVSAGYECG MVLSYDPDISV DDKIEVYEMV EVPREA

> RXA01522 (1-1578, translated) 526 residues

VTNSNPTS KN NSADLPEQLR IRREKRERIL DSGLDAYPVE VDRITISISDL RSQFVVITED
LQEREEGVY LEVGEETDVE VAIAGRVMFV RNTGKLCFAS IQEGNGTTVQ AMLSLAAVGE
ESLKAWKADV DMGDIVSVRG KVISSKRGE L SVMADSWHMA SKSLRPLPVA FADLSEDRV
RHRYTDLIMR EQARTNALTR IKVMRALRHY LEDQDFLEVE TPMLQTLHGG AAARPFETHS
NALDIDLILYR IAPELYLKRC VVGGIERVFE VNRNFRNEGV DSSHSPFAM LETYEAWGTY
ETGAKLIKGL VQSV AQEVFG TTLVTLADGT EYDLGGEWKV IEMYP SLNEA LARKFPQPE
VTIDSTVEEL REIAKVIGLS VPENGGWGHG KLVEEIWELL CEDQLYGPIF VKDFPVETFP
LTRQHRTKPG VTEKWDLYVR GFELATGYSE LIDPVIQER FEGQARLAAD GDDEAMVLDE
DFLTAMEQGM PPTSGNGMGI DRLLMALTGL GIRETVLFPM VKPEQK

> RXA01530 (1-642, translated) 214 residues

MAFLDLIQEG NLGLIRAVEK FDYSKGYKFS TYATWWIRQA ITRAMADQAR TIRIPVHMVE
VINKLGRIQR ELLQELGREP TPQELSKEMD ISEEKVLEIQ QYAREPISLD QTIGDEGDSQ
LGD FIEDSEA VVAVD AVSFT LLQDQLQDVL ETL SEREAGV VKLRFGLTDG MPRTLDEIGQ
VYGVTRERIR QIESKTMSKL RHPSRSQVLR DYLD

> RXA01531 (1-1017, translated) 339 residues

MVENNVAKKT VAKKTARKTA RKAAPRVATP LGVASESPIS ATPARSIDGT STPVEAADTI
ETTAPAAKAP AAKAPAKKVA KKTARKAPAK KTVAKKATTA KAAPATAKDE NAPVDDDEEN
LAQDEQDFDG DDFVDGIEDE EDEDGVEALG EESEDDEEDG SSVWDEDESA TLRQARKDAE
LTASADSVRA YLKQIGKVAL LNAEQEVSLA KRIEAGLYAT HRMEEMEEAF AAGDKDAKLT
PAVKRDLRAI ARDGRKAKNH LLEANLRLVV SLAKTLHRPW HGIPGPHPGR QPRSDSCRRE
VRLQLQLQVL HLRNLVDPSG NHPRHGRPST NHPYPSPHG

> RXA01541 (1-771, translated) 257 residues

IFNSHRAPRL ASTVIIARES ADSGTLEFFI QQRQSTMAYA ANAVVFPGGG VEDSDYPFML
PHRDQHMSPE HIKHHASRLH MDSETMAAHI SAARREVWEE TGVDLGNYNH ELIPIDRWIT
PDIPAFRRRY DTATFVLILS KDSTNAALQH QHQTTEATHS YWATAEELLT QWSTGHLNLL
LPTWWHINQL NHLHTLNQLY SFAQRTHNPQ HTPPTVFANW TAPADEAAMQ HYGFDPDAY
FDHATIAGKH HTLITRK

> RXA01556 (1-849, translated) 283 residues

NIRFETLNIM GPARRIHLGH VWNDRLTFEY SRS LFGKETL SPDIARLFTD RVPTPLPAP
RKARAVAQVL VSNPADQTS L EEFAEIQGV S ARTLQRQFLK STGYSFSEWR AAQRVCVAAS
LLAHDFSISV VANLVGFAAT SSLTRAFRRH TGATPSTFTT GQIGMGSAGH PPRIPATTTF
AEAHQDQQLW IYSGTATVTT PGYCRFMGQG DMVTIPAGTQ TRIDVAAGSI AFPVPVGLDE
WGMDLTRVVA VNNQQPKPLT ILEQSEWSKL SEELLNTPVP VQM

> RXA01558 (1-1209, translated) 403 residues

MTDSQTESLS TQSVKPAKKR SWFNSLYTG D GGIDFIAKTK LWYWITGILL VISILFIAIR
GFSLSIDFQG GTKMSMPASD YSTEQVEETF TEATGITPEI VQIVGSGDAR TLEIYSERLS
DEDVEKARLA IYEEYQPLNS EGQPSDAIG NSTVSESWGS TITQRMVLAL IAFLVIAAIY

IAFRLEREMA IAAMAALVVD GIVIAGIYAV IGLEVSPATV IGLLTVLTFS IYDTVVFVDK
VRENTGEFEG SRRRTYAEQA NLAVNQTFMR SISTTIISAL PIIALMVAV WMMGVGTLKD
LALIQLIGVI EGTFSVFLA TPLLVS LKNR LSKTKAHTAS VMKLRDGQST LIDATPHTNA
DAFAHGTESD TDGVTPEAPA KRTVSKPIVD DHRSSGTWRP GRS

> RXA01559 (1-243, translated) 81 residues
ITAPLVILAS RNPFFAKSSV NGMGRVMKLV EERRANGELD EPEYLKKIHA KNAAADKAST
DNSSTDNSEA PGTDTNQEEE K

> RXA01582 (1-1089, translated) 363 residues
MAGLVDLTIN MREGLDYTVS EIQLTEASLN EAADAAIKAF DGAQNLELA ALRRDHLGDA
APIPQARRSL GTIPKDQRKD AGRFVNMA LG RAEKHFAQVK VVLEEKRNAE VLELERVDVT
VPTTREQVGA LHPITILNEQ IADIFVGMGW EIAEGPEVEA EYFNFDALNF LPDHPARTLQ
DTFHIAPEGS RQVLRTHTSF VQVRTMLNRE VPIYIACPGR VFRTDELDAT HTPVFHQIEG
LAVDKGLTMA HLRGTL DHLA KELFGPETKT RMRSNYFPFT EPSAEVDVWF PNKKGGAGWI
EWGGCGMVNP NVLRAVGVD E EYTGFAFGM GIERTLQFRN GLSDMRDMVE GDIRFTLPFG
IQA

> RXA01583 (1-1716, translated) 572 residues
VETIEELTEF KKPIRHCHVN VGDANGTGEL QSIVCGARNF KEGDTVVSLS PGAVLPGDFA
ISARETYGRM SAGMICSASE LGLADKQNSG IITLDPSYGE PGEDARQALG LEDTVFVDNV
TPDRGYALSA RGLTRELASA FSLTFTDPAI EPAVAGIEVK VPAVEGSLIN VELREETKAI
RFLGRKVSIGI DPAAESPFWM QRELMLSGQR PVNAATDVTN YVMLLLGQPM HAFDAAKVTG
DLVVRNATAG EKFTLDHVK RTLNEEDVVI TDDNGIQSLA GVMGGTSEI SDTTTVDVFE
AATWDTITVA RTSRRHKLSS EASRRFERGV DPAIVEIALD IAATLLVEIA GGTVDAGRTL
VGDVPMQPI TMKVTRPSEL AGVDYSAETV IARLEEVGCT VAVSGDTLEV TPPTWRGDLT
MSADLVEEVL RLEGLEAIPT IIPTAPAGRG LTDAQKRRRA VGHALAYAGY AEIIPSPFMD
PEVFDVWGLA ADDERRKTVS VLNPLEAERN VLSTSLPSM LDAVKRNVAR GHNDFSFLFGL
QQVAFEHGSG VSPMPVASR PEESVVAELV DS

> RXA01596 (1-1779, translated) 593 residues
MLVDIAIENL GVIPAASAEF SSGLTVLTGE TGAGKTMVVT GLRLLSGGRA DASRVRTGSP
QAVVEGRFVT QGVPCDIVER ATGIVSNAGG AADENGFLA VRSVGANGRS KAHLGGRSVP
AATLSEFSDE LLTIHGQNDQ LRLSPERQL EALDRFDPEL AQLRKYNNAK YLTWKS LDKD
LQKRLSSRRE LAQEVDR LQF AINEIEEVSP QPGEDAELVE QIRRLQDVDT LREQAATALA
AIDGAGSLSD AMGGSGGFDE SQESASDQLG QAESALAGSD DSKLKDIQV LAEITSQSLQ
VSMELGGFLS DLPADPQALD DMLTRQQQLK LLTRKYAADI DGVIEWQRKA QIRLDSIDIS
SEALDKLKED AKKAQASMMR AAKKLSAVRA KAATKLGT TV TEELQGLAMQ KARFEVALTS
IEACASGIDQ VEFQLAANAF AQPRPLASSA SGGELSRV ML ALEVILAAGT TGTTLVFDEV
DAGVGGRAAV EIGRRLARLA TKNQVIVVTH LPQVAAYADT HLHVAKNVGE ASVTSGVESL
TFDRRVEELS RMLAGLDDTA TGRAHATELL ERAQREKEDI NEERVEPLLA ASA

> RXA01601 (1-912, translated) 304 residues
MKARVLAKTW LTHLAVERGL SANTLSNYRR DVERYCDWLE AAGLDDIRDI TTAHVESYVK
DLRRGIDGQQ ALSASSAGRA LIVARG LHKF ALMEGEVAAD VAADVSPAM GRHLPDTLSI
NEVALLIDAI PHSDIATPVD LRDRALVELL YGTGARISEA IGLAVDDVSE MPEVLRITGK
GSKQRIVPFG SMAQQAVREY LVRARPALSK GKSHALFLNQ RGGPLSRQSA WAVLKKTVER
AGLDKDISPH TLRHSFATHL LEGGADV RVV QELLGHSSVT TTQIYTHITA DSLREVWRGA
HPRA

> RXA01613 (1-1215, translated) 405 residues
MSEQPASIKH YDLIIIGTGS GNSIPGPEFD DKSIAIVEKG AFGGTCLNVG CIPTKMYVYA
ADIAQEIQES ARLGIDATVN SVDWPSIVSR VFDKRIDLIA QGGEAYRRGP ETPNIDVYDM
HASFVDSKTI STGIAGQEQL ISGTDIV IAT GSRPYIPEAI AESGARYYTN EDIMRLAQQP
ESLVIVGGGF IALEFAHVFE ALGTVTILN RSDVLLREAD ADISAKILEL SKKRFDVRLS
TAVTAVHNKA DGGVKISTDT GDDIEADILL VATGRTPNGN QMNLDAAGIE MNGRSIKVDE
FGRTSVEGVW ALGDVSSPYK LKHVANAEMR AIKHNLANPN DLQKMPHDFV PSAVFTNPQI
SQVGMTEQEA REAGLDITVK IQNYSVAYG WAMEDKDG FV KLNCR

> RXA01621 (1-1440, translated) 480 residues
VDQEVDR LAL MARAHQAIGE LSDILVPLAA AFSSKGHS LY LVGGSVRDAF LGELGHDLDF


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> RXA01725 (1-108, translated) 36 residues
LVDERPKEVT DMORSVNGEV ISSTFDRPPS EHTAVA
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> RXA01726 (1-573, translated) 191 residues
LLELAIERAK RLVEQGQDVV VLLDSITRLG RAYNNSSPAS GRILSGGVDS NALYPPKRFL
GAARNIENG G LPTIIATAMV ETGSAGDTVI FEEFKGTGNA ELKLDRKISE RRVFPAVDVN
PSGTRKDELL LNPDEARIMH KLRRILSALD NQQAIDLLIK QLKKTKSNAE FLMQVASSAP
MAGTEKEEDY S
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> RXA01730 (1-1677, translated) 559 residues
VLRTHLSGEL RKENAGQSVT LTGWVNRNRD HGGVIFIDLR DRTGIAQVVF RNEDVAERAH
ALRSEFVLRV TGVVEERPEG SQNPNLASGD IEVSVTEFEV LNESAPLPFQ IEDSSSAGEV
GEETRLKYRY LDLRRPVQAN ALRLRSAANK AARTVLDSHD FTEIETPTLT RSTPEGARDF
LVPARLRPGT FYALPQSPQL FKQLLQVAGM ERYYYIARCY RDEDFRADRQ PEFTQLDVEM
SFVDQDDVIA LGEEIISEVW KLIYEIKTP IPRMTYADAM RRYGSDKPDL RFDIEITECT
EFFQDTTFRV FKNEYVGAVV MTGGASQPRR QLDAWQEWAK QRGAKGLAYI LVGEDGELSG
PVAKNITDAE RAGIAAHVGA QPGDCIFFAA GDTKSSLALL GAARGEIAKK LDLIKEGDWA
FTWIVDAPMF EPAADATASG DVALGNSKWT AVHHAFTSPK PEFLDNFDTN PGDALAYAYD
IVCNGNEIGG GSIRIHQRDV QERVFEVMGI TGEEAREKFG FLDDAFAFGA PPHGGIAFGW
DRIVSLGGF DSIRDVIAF
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> RXA01733 (1-543, translated) 181 residues

GPKIYEAYTT	IAPESRPAAV	NYKTTIDQGL	SQFSEFDAGI	IEATLLTELA	AKRQREIERG
SSLVGPHRDD	VDLMLGDQPA	KGFASHGETW	SFALSLRIAE	FNLLKSDGTD	PILILDDVFS
ELDAGRREKL	VGIAQEVEQV	LITAAVHDDL	PENLKKVLTA	QHTVTVQDTG	TGRISLLDVQ

P

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> RXA01784 (1-549, translated) 183 residues
TTIYRWVQKY ALELDKQTRW YRQVPDWQAS SWRVDETYIR VGGTWCYLYR AITAGGQTLT
FYLSPKRNVV AAKRFLAKTL RSNTTAGSPR VINTDKAPAL AKAISELKAE GICPQTVEHR
QVKYLNNVIE GDHGRLLKRI L GPKGAFKNRI SAYRTLKGME AMHSLRKGQG TMFDLTGTRT
QTR
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> RXA01798 (1-273, translated) 91 residues
MHRKKEELTM RKGISRILSV AVASSIGFGS VLSGTGIAAA QDSAFDYGMD PSMNYPIDDD
MKDRPOGLSN LPYFGSKLTS WGSSDATASS G
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> RXA01818 (1-987, translated) 329 residues

MGYPIGGEVP	VSGSNLIDGE	INGWVQTFQG	GRVYRTPMLE	GFQIASINGM	ILNRWLAIGG
PDSALGFPIA	DEAVASDGVG	RFSVFQNGVL	YWHPNHGAW	MTGFIEEVWK	MRGGLDSQWG
YPTSAPVLDS	DAPVEIAQNF	SGGVFDLATE	IEDAGFSPIE	DKEMSNLILE	YFGYLGFDFF
GSSSRELVLQ	HSKSDLMTLR	ASRCALKDSS	QASFGGV TIP	SHYDYWGCLD	KSDRDPDPAY
GRHDYCTLSP	DSYGPLGKKA	EFSGACARHD	LCMDAVDANG	TGYAPCHPAF	YTMWSTVCTT
NYAEDANFKK	GCVNATAKAY	KAVOLKNPN			

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> RXA01819 (1-447, translated) 149 residues
LILPVQEGIS YFPTPLHLNH IGGSRFKKFL VKIDKTV PQD LDVHVICDNY ATHKHPTINT
WLVKHPRFHM HFTPTYSSWI NQVERLFAEV TRELLQRS DH RSVQALEKDL RNWVKAWNED
PKPFIWTKTA EEILSSIARY LKRINGAGH
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> RXA01837 (1-393, translated) 131 residues
SEGYYNDTVC HRIITSGIYV LQCGDPSSTG AGGPGFSFAN EYPTDEATDL TTPVIYERGT
IAMANAGADT NGSQFFLNIE DSPLAPNYTY FGQITEEGLA TLDAIAEVGT EGGTGDGAPA
OEVRIESAAV A
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> RXA01841 (1-363, translated) 121 residues
MEEGEEISLS DFEGEVVVLN AWGQWCAPCR AEVDDLQLVQ ETLDPLGGTV LGINVRDYNQ
TIAQDFKLDN AVTYPsiYDP PFRIAAALGG VPTSVIPTTI VLDRSHRPAA VFLREVTALS
G
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> RXA01852 (1-1287, translated) 429 residues
VSQNKSKSEK LQSFAAPKGV PDYAPPKSAA FLAVRDAFVN QAHKAGFEHI ELPIFEDTGL
FARGVGESTD VVSKEMYTFA DRGERSVTLR PEGTAGVMRA VIEHSLDRGQ LPVKLNYAGP
FFRYERPQAG RYRQLQQVGV EAIGVDDPAL DAEIIALADR SYRSLGLQDF RLELTSLGDR
HCRPEYRQKL QDFLFALPLD EETRKRAEIN PLRVLDDKRP EVQEMTADAP LMLDHLDAEC
REHFETVTGL LDDMGVPYVI NPRMVRGLDY YTKTCFEFVH DGLGAQSGIG GGGRYDGLMA
QLGGQDLSGI GYGLGVDRTM LALEAEGVTV GAERRVDVYG VPLGKDAKKA LAGIVNTLRA
AGISTDMSYG DRGLKGAMKG ADRSNALYTL VLGEQELENN TIAVKDMRAH EQHDVALDEV
VAFLQGKLI

> RXA01862 (1-1206, translated) 402 residues
MAYDFVIGMD VGKYFHHACV LDPQGRQVLS KRINQHEGSL RKLFDKFLAN DAEVLVVVDQ
PNNIGRLTVA VAQAMGADVRL YLPGLAMRQL SRIHVGNSTK DVRDAYVIAH AGLNLPDALR
SVDRVEEVFL QLKVLNGIDE DLARAYTRLI NMQQSALVGT YPAFEHVLRG QMIHRKWILH
LLAKYGGPTK IRRVGKARLA AFARGHRARN PEPVIDAMLA AIHQTVSIA GAEYAEGLVA
MSAKDALAKL EHRKEIEGQV LELIQDIPQT EILLSMPGIG PRSAAQILMT VGDMSDFPDA
AHLASYAGLS PQTNQSGTSI MSNSPNRAGN KKLKNALWQS SFASIRFHER SRQFYERKRN
EGKRHNAAVV ALARRRLNVL FAMMRSGELY RDIPTAQEAA AA

> RXA01863 (1-807, translated) 269 residues
MNSNLTLPQD RYLDIAEYID VMHISHNWGT TDEFANVGFG AMKKQPPLKA KLKLYEQMIS
NARTLSEQGM FVSAETMLNQ STPLHLRKIH QEVVHDMKCS RHEIHPMYPA DFASQLNVLT
LAEMKKTIHD ILDFRDEDIW MLFGTLPVFP CLKDDDEDQKL LSRLRNANNV TTRNDPDGRS
RLNVNVFTGN VIVTDFGDET GTISNIQKDK LTDVFDKWL SLDLAKSLNCH CSEFSCLGPN
VLVKNMYYPN MDFKDNERNH HKQPQIIQF

> RXA01864 (1-471, translated) 157 residues
NERYWTGPRP ETHGPNDPGG VDLYVGGVEH AVLHLLYARF WHKVLFDLGH VSSKEPYRRL
YNQGYIQafa YTDSRGVYVP ADDVEEKDGK FFYQGEENVQ EYGKMGKSLK NAVAPDDICN
NFGADTLRVY EMAMGPLDTS RPWATKDVVG AQRFLSV

> RXA01872 (1-765, translated) 255 residues
MGNDGGDLRI DDLRSFISVA QSGHLTETAQ RLGIPOPTLS RRISRVEKHA GTPLFDRAGR
KLVLNQRGHA FLNHASAIVA EFNSAATEIK RLMDPEKGTI RLDFMHSLSGT WMVPELIRTF
RAEHPNVEFQ LHQAAAMLLV DRVLADETDL ALVGPKPAEV GTSLGWAPLL RQRLALAVPA
DHRLASFSGQ GELPLITAAE EPFVAMRAGF GTRLLMDALA EEAGFVPPNV FESMELTTVA
GLVSAGLGVG VVPMD

> RXA01878 (1-879, translated) 293 residues
MEEPSGAQLL GPVEIRALAE KLDVTPTKKL GQNFVHDPNT VRRIVAAAEL TPNDHVVEVG
PGLGSLTLAL VESAASVTAV EIDPRLAAEL PETFQWRAPA LAHKLSIVLK DALKVQSDM
AVQPTALVAN LPYNVSVPLV LHMMEEFPTI NKVLVMVQAE VADRLAADPG SKIYGVPSVK
ASFYGPVTRA GSIGKNVFWP APKIESGLVK IVREDTAWKQ DDETRKKVWP IIDAAFLQRR
KTLRAALSGH YGSGQAAEEA LRAADIDPTL RGEKLDVTDY VRLAGVLQOK DEK

> RXA01913 (1-825, translated) 275 residues
MANYTAADVK KLRELTGSGM LDCKKALEES AGDFDKAVEI LRVKGAKDVG KRAERNATEG
LVAVSGNTMV EVNSETDFVA KNSDFKEFAA KVADAAAAAK ANSQEELAAV DVDGQTADAA
LQEFSAKIGE KLELRRAVTL EGDKTAVYLH QRSADLPPAV GVLVAFTGEG EAAEAAAARQA
AMQIAALKAS YLTREDVPAE IIEKERSIAE QITREEGKPE QAIPKIVEGR LNGFYKENVL
LEQSSVADSK KTVKALLDEA GVTVTSFARF EVGQA

> RXA01926 (1-672, translated) 224 residues
LRSFYTPPEQA IEREGDVWKA ATEEAELLAA DGAVHDQELF LNCTTSPLIF ASAMLNFGVH
QILDITLCQLA PSPAGRDADP KALEAATSAM DDHRDTTDDF SGVVFKVQAG MDKNHRDTLA
FMRVVSGEFD RGMQVTHSQS GRSFSTKYAL TVFGRTRSTV ETAFPGDIVG LVNAGALAPG
DTIFEGRKIQ YPPMPKFAPE HFRILRAKSL GKYKQFRKAL EQLD

> RXA01938 (1-915, translated) 305 residues
LDESIAKHRA AYQRIFDRLG LEYAICQATS GAMGGSASEE FLAVSENGED TFVRSTSGNY


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> RXA02078 (1-858, translated) 286 residues
VPELPEVEVV RRGLEDHMGV HTIVSATVLH PRAARNQLGG GPEIEANIAG LRVSAAKRRG
KFLWLLELIDA PSGETRPDLG LLVHLGMSGQ MLIKEPDAP I SPHLRAKVEL DNGDEVWFVD
QRTFGYWWLG DLVDGVPERV SHIATDVLDE SADFSAIARN LKSRKSEIKR LLLNQEIVSG
IGNIYADEML WQAKIHPLQR ADRLSLARLE ELLQAGKDVM TKLAQGGTS FDALYVNVNG
NSGYFALSLN AYAQTGPECG RCGTLIIRES FMNRGSHYCP NCQKRR
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> RXA02130 (1-87, translated) 29 residues
MTSDLQSRRR LGLTATLVRE DGREGDVSA
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> RXA02174 (1-354, translated) 118 residues
MEKPQIELPV GPAPEDLVIS DIIVGEGAEA RPGGEVEVHY VGVDFETGEE FDSSWDRGQT
SQFPLNGLIA GWQEGIPGMK VGGRRLTIP PEAAYGPEGS GHPLSGRTLVI FIIDLISA
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> RXA02204 (1-1260, translated) 420 residues
MQSWPTPEVP ALAGTPVPLE LFDTADQEVRLVETPPAGSD TPVGMVYVCGI TPYDSTHLGH
AATYLAFDLI YRILLDNDHD VHYVQNITDV DDPLFERAAR DGVDWRDLGT SQINLFRSDM
EALSIIPPKD YIGAIESIDE VIEMVKTLLEGAAYIVEDA EYPDVIYASIN ATDKFGYESN
YDAATMAEFF AERGGDPERP GKKNPMDALLWRAAREGEPS WESPGAGRP GWHIECSAIA
TNRLGHSFSDI QGGGSDLIFF HHEFSAAHAAHAGVERMAK HYVHAGMISQ DGVKMSKSLG
NLFEVSRLTA AGHEPGAIRL GFVANHYRGN RDWNAESLAT AEQRLATWRE AARAATNRED
AIAVVEQLRA HLSADLDTPG ALAAVDNWAA GIDTTTDSKE FTEVGNIVVA AIDALLGVQL
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> RXA02236 (1-318, translated) 106 residues
VALPQLTDEQ RKAALAKAAE ARKARAEKE NLKRGNTNLR EVLDKAESDE IIGKTKVSAL
LEALPKVGKV KAKEIMDELG IAOTRRLRGL GDRORRALLE RFGFED
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FDTSHQEGGL RGHVINPVWE PLTEDTQTGK EGCLSIPDVS AETTRYETVR LSGQDRDGNP
VGFVANGLLA RCIQHETDHL DGVLFLLKRLD PAERKAAMGV IRASAWFNK

> RXA02243 (1-945, translated) 315 residues
MRLVFAGTPE PAVVALQKLI DSDHEVVAVL TQPDARRGRG RTLHPSAVAE LAQQHGIEVL
KPTSLKADTE DGQAIRQRLA ELAPDCLPVV AYGQLITKDL LDVAPHGWVN LHFSLLPAWR
GAAPVQASIR EGDQITGATT FRIDEGLDTG VILSTIEDTI QPTDTADDLL TRLAYSGGDL
LVETMTGLEQ GTITPRAQEG EATYASKITT QDAQIDWSKP AEVIDRHRA HTPGPGAWTT
LVDARLKVGP ISHSGEVEVA ADLAPGAILA QKNSVVVG TG TPIVLGNIQ PPGKMMNAA
DWARGVQLDQ EAKFQ

RXA02251 (1-300, translated) 100 residues
VADPTTYRPA PGTIPTPEGV YKFRDENRRV IYVGKAKNLR SRLSNYFQDV TQLHPRTRQM
VFAASSVEWT VVSSEVEALQ LEYTWIKRFD PRFKRKIPRR

> RXA02252 (1-1824, translated) 608 residues
LIRGSNVKYN DDKTYPMLAV STGERFPRAF FFRGPRRKGV RYFGPYSHAW AVRETLDLLT
RVFPMRTCSK GVFNRHESLG RPCLLGIDYK CAAPCVGRVS EEEHREIVDG FTSFMAGHTD
KVTRKLNADM MAAAEELDFE RAARLRDDLE AIDKVMKQA VVLGDGTAD IIAFATDQLE
AAVQVFNIIRG GRIRGQRGV VEPKPGDYAGL LVDATTQPEG DAPETDPALP FLMQDFLVQF
YGDAVERAET EAKEDAAVIE RRGVDKHSFE EAAPVTRASV VPREILVQVA PNEAEQTLKV
LEELRGAGVD ARVPQRGDKR ALMETVERNA KELLKQHKLK RVGDLTARSA ALQELQEALD
MEQAPLRIEC TDISHIQGTD VVASLVVFED GLPRKSDYRR YRVKEAAGDG HSNDVASIAE
ITRRRFLRHN QDKLAVPEAE EFDGSTFSDE KVEEMSTDAR RFAYPPQIFI VGGGAPQVAA
AQEVFDELGI VDVVLIGLAK RLEETWLPD PDFVILPRNS QALFLLQIR DEAHRFITY
HRQQRSKMR VSELDISKGL QQSRRTLVK HFGSVAKLKE ASVEDISQVK GFGPKLAEAV
YEGHASK

> RXA02260 (1-231, translated) 77 residues
MALTLQIILV VASLLMTVFV LLHKKGKGGGL SSLFGGGVQS NLSGSTVVEK NLDRVTILVA
VIWIVCIVAL NLIQTYS

> RXA02290 (1-399, translated) 133 residues
VDLNALEIL TLVVFQVGVT WHAVLSKREG FRQAFQFDV AKVAAFNEDD VERLLDDLQI
FRNRKINAA ITNAKALLEL NDETGTFSI IADHSTDATA MVKHLKALGF THIGLTSLSI
LQQAIGVTEL KAA

> RXA02291 (1-654, translated) 218 residues
VVHLPNFLGL AEQKALVAQA RDLAREVVGT PLAMVRPKLK SGQMSVHMLH LGKYWASNPY
RYVDVVDGFP VPPLPDSFVD LAHRALLSAG SLSNSLQSW S EAYRAEALV NYYSPPDASMG
MHQDANESE APVISLSIGD TGIFRLGGTL NRNKPWTDIP LMSGDLIVFG GANRQAFHGI
PSIEANTAPA GCGLKEGEST SRSANLHYKT PGRGMSRG

> RXA02323 (1-924, translated) 308 residues
MSSHDLDVV VVGAGAAGLA AAVALGRSLR SVIVIDAGQP RNSYAHAAHN VLGQEGIAPA
ELLEKGRAEA RSYGVTIAPG RVAKVERTGS TFAITLDDAS LLHSRRIILA HGAVDLPEV
EGLSDFWGTK VLHCAYCHGF EARDSEIVV GTSPMAAHQA LMFSQLSKTV SLVGTIDIDE
QTSSELDASG VKVLGTNAVR VSAEGDGLSV ELSEGDHLSC DNIVVASRPL VDGTLYTQLG
GQMEENPMGR FIPGTQTGR TPIEGVWAAGN AQAPMAMVYG SAAQGVMAA EINFDLIED
ISVASAQS

> RXA02385 (1-771, translated) 257 residues
MIEVRLVPA AVMMMAVAAL IINGSWVLSV GIVGIAIIAA CVFKHWGQAV VIAALGVGAV
VMAALRISSA KAFEAPQTV GTAETIKFLD SGDQLIGLRV EGYPAPIPVF YSGSDTIEKA
SLIAVSGRIK PDSFPGVGL TISTEDIDQL EPTTGYS AWV NQVRDGFSA VEETVGESSR
GLIPGMVLGD TRLQGSIEAQ TYIDTGLSHL SAVSGSNVAI VVSSVVVLSY FLTAGPRIRV
VASLLSLGIF VSLVGFE

> RXA02386 (1-405, translated) 135 residues
VSVVGHVAKP GLVTLAEGSR VADALAIAGA LPDADLTALN LAQLLDVGTQ IHVLAIGEVO
PISVDAAATS ASGLISLNTA TVADLVTLPG VGEKTAQAI DFRESNGGFS TVEDLLQVKG

IGPSKFEQIS GLVSP

> RXA02388 (1-846, translated) 282 residues
 AIINSSRMPEP MHGLSLSVIC LLFYDSNLAV HYGFLLSCAA TAGIVMLQPL LYRAIGPPLA
 VWKVPDIVVR AFAVSIAADL VTIPIIALMA RQISLVAVLA NVLVELAVPP ITLLGLIAVL
 ASLLPWPEVEY PLLKIIIEPFT WWIHHVAKWC QQLPNSTLEI SAGWAGIAWA CMAAVWVVVI
 IYKGYVRTLA VCCVCFFLFG AWWNRLPAQI DPTELRFVII ADDSELTDPV EHAELIIVED
 PHGMSDRPI VTREGIPVLY PYRDGEVSLH IDGTQHAADG RF

> RXA02413 (1-492, translated) 164 residues
 MTSENSESQD IWLTDEQQDV WLDVWMTMIG LPARLDAQLK EAAGVSHFEY FTMAQISMAP
 EHRVRMSELA ELSDMTLSHL SRVVTRLEKA GWVKRVPDPD DGRATVAVLT DSGWEKVKAT
 APGHVKEVRR LVFDDLTPEE LKVMGTAMKK IVNRLMSNR LPRV

> RXA02416 (1-2640, translated) 880 residues
 DKPDVDLIDG LSPAVSIDQK STNRNPRSTV GTITEVYDYL RLLYARAGTA HCPVCDARVE
 RQTPQQMVVDQ ILGMEEGLKF QILAPVVRTR KGEFVDLFAD LASQGYSRVR VDGEVHQLSD
 PPKLEKQIKH DIDVVVDRLQ VKASQKQRLT DSMETALRLA DGVAVLEFVG LEEDDPNRLR
 RFSEKMSPCN GHALTVDLELE PRAFSFNPSY GACPACDGLG VRTEVDIDLI IPDPDAPATK
 AVQPWNSSPN HSYFEKLIIEG LAKALGFDPE TPYSELTAQ KKALVYGSKE EVSVRYKNRY
 GRVRSWTAPF EGVMGYFDRK LEQTDSETQK DRLLGYTREV PCPTCKGARL KPEILAVRLD
 SGSHGALSIA GLTALSVHEA FEFLDNLTIG KREEMIAGAV LKEIHARLKF LLDVGLSYLT
 LDRAAGTSLG GEAQRIRLAT QIGSGLAGVL YVLDEPSIGL HQRDNRQLIT TLEHLRDIGN
 TLIVVEHDED TIRRADWLVD IGPRAGEFGG EVVYQGEPKG ILDCESLTG AYLSGRRTLG
 VPDTRREIDK ERQLKVVGAR ENNLQGIDVK IPLGVLCIT GVSGSGKSTL VNQILAKVLA
 NKLNRARQVP GRAKRVEGLE HLDKLVQVDQ SPIGRTPRSN PATYTGVDK VRNLFATTE
 AKVRGYPGR FSNIKGGRC EACQGDGTLK IEMNFLPDVY VPCEVCDGQR YNRETLEVYK
 KGKNIAEVLG MPISEADFF EPITSIHRYL ATLVDVGLGY VRLGQAATTG SGGEAQRVKL
 AAELQKRSNG RTVYILDEPT TGLHFEDIRK LMMVIEGLVD KGNSVIIIEH NLDVIKAADW
 IVDMPGEGGS GGGTVVAEGT PEQVAEVAGS YTGQFLKELL

> RXA02418 (1-567, translated) 189 residues
 VVRYVKFSRT ANRGVHISAE ARINERIRVP EVRLVGPNGE QVGIVRIEDA RKLAFDADLD
 LVEVAPNAKP PVCKIMDYGK FKYEAAQKAR ESRKNQQQTV VKEQKLRPKI DDHDYETKKK
 NVIRFLEKGS KVKVTIMFRG REQARPELGY RLLERLANDV VDFGIVETRA KQDGRNMTMV
 LGPVRKGGK

> RXA02429 (1-2289, translated) 763 residues
 VAGFDWFWKA LGGKSGRNQK RSVAIQVQVE NHAAELDALD DVALAQRAKD LASGGRIDNH
 AEFLAILGVA SQRTLGLKPY PVQSQAVLRL IEGDVVHMAT GEGKTLVGAM AATGLGLMGK
 RVHSITVNDY LAVRDAEWMR PLVEFFGLSV ASISEKMDAG ERRQAYKAAI VYGPVNEIGF
 DVLRLDQLTR REDAVQHGAD VAIIDEADS LVDEALVPLV LAGNQPGHAP RGKITDVVRS
 LKENDDYTID DRRNVFLTD KGAAKLEQQQL GISSLYDDEH VGSTLVQVNL ALHAQALLIR
 DIHYIVRDSK VLLIDASRGR VADLQRWPDG LQAAVEAKEG LAVSEGGKIL DTITLQALIG
 RYPMACGMTG TAVEATDQLR TFYDLHVSVI ERNHPLKRFD EADRIYATMA EKNRAIIDEI
 ALLHSTGQPV LVGTHDVAES EELATALREL NIEVSVLNAK NDAEEAQIIA EAGDIGRVTV
 STQMAGRGTD IRLGGADEAD YDEVVKLGGI AVIGTARHRS QRLDNQLRGR AGRQGDPLGS
 LFFVSLDDDDV VVSGGSRESV SAQPDATGLI DSDRIRDWVG HCQRVTEGQL LEIHSQSWNY
 NKLLADQRFI IDERRERLLD TALAWEEELAQ HAPARAAELE DLDQSVREQA ARDIMLYHLD
 YNWSEHLALM DDVRESIHLR AIARETPLDE YHRIAVREFK DLAQRAVDDA VSTFKSVTID
 HEGAHLDDDEG LARPSATWTY MVSDNPLAGS GNSVISGIGN IFR

> RXA02436 (1-561, translated) 187 residues
 VVGISLDVVM MGVMTSKTAT AILHTNRGDI TIDLFGNHAP ETVANFVGLA QGTKDYQSAN
 AQGDSEGPYF NGSVFHRVID GFMIQGEDPT GTGRGGPGYT FADEFHPELR FDRAYLLAMA
 NAGPGTNGSQ FFITVTPTPH LNNAHTIFGE VTDAESQKV VDAIATTATDR YDRPADAVVI
 ESVEITA

> RXA02445 (1-1689, translated) 563 residues
 VEPFELEKDL ERLRKNGKDD ETVEVKSAGR LPLSKGSKSF WESLSAFANT NGGYILLGLS
 EPDFTPEVEG DSQASIQFIR AGLNPQDRDA QKVEPVPHHE IHEMTVDGAE VVLVSVSPLS

VNGPCYYLPV GITNGSFKRV GDEDRKLSHL EIYELQNRV QTKTDRNPVP DSSIDDLNNQ
 LAASFKQRLI ESNSRSLGTD DNWLLRKNIT TSKGELTIAG LLALGSYPQQ FFPRVIIDVA
 VHPGLHKSPI GTSIRFEDRK ICEGNLLEMV QEAMSAIKRN LRVRVVEGL SGKDVLEIPE
 EVLREALANA VLHRDYSELA QNEAIHVDIY KDRVEITSPG GLPNGKRPEP ILDGysePRN
 RVLsrILMDI PWTHEVQGVl AESNGTGVPR MFNLmREAGL PVPNFKIDIS SVTVELSRHG
 LLDAQTSEWL VEKLGSDFSN TQGIALVLAK ELGAVTSRDL RNQTGHdSED MRSLLDALVD
 RGVLNQNLQN QYQLATSSVN VTQSEQEVLD AINKTTPVTI REIATKTGKT ASSLRPLLRG
 LVEAGLVVAT APPSSRRAY LKA

> RXA02456 (1-618, translated) 206 residues
 MAENRTGTVD GDALAARFEE EALPLLDQLY GGALRMTRNP ADAEDLVQDT YIKAYQAFAS
 FKPGTNLKAW LYRIMTNTYI NMYRKKQRQP SQTSADEITD YQLVESQSHT STGLESAGEVE
 ALKNLPDGKI GDAMNQLSPE YRMVYYADV EDLAYKEIAE IMDVPLGTVM SRLHRGRKQL
 RGMLEKVAKE QGIGLEHPDM KKNSEA

> RXA02462 (1-915, translated) 305 residues
 EAGGLYVLGT ERHESRRIDN QLRGRSARQG DPGSTRFYLS MRDDLMVRFV GPTMENMMNR
 LNVPPDDVPIE SKTvtNSIKG AQAQVENQNF EMRKNVLKYD EVMNEQRKVI YSERREILES
 ADISRYIQNM IEETVSAYVD GATANGYVED WDLKLWNAL EALYDPSINW TDLVEGSEYG
 KPGELSAEDL RTALVNDAHA EYAKLEEAVS AIGGEAQIRN IERMVLMPIV DTKWREHLYE
 MDYLKEGIGL RAMAQRDPLV EYQKEGGDMF NGMKDGIKEE TVRQLFLSAS SSSSKTRKSL
 TNSEP

> RXA02476 (1-879, translated) 293 residues
 MSFTAFQTAL LVWFRANARD LAWDRPNTSA WGILLSEVMS QQTPVARVEP IWREWMEKWP
 TPEDFANAST DEILRSWGLK GYPRRALRLK ECAEVIVEKH AGEVPDTVEA LLALPGIGDY
 TARAVAAHFH GQRVPVVDN VRRVYQRAVA GRYLAGPAKK QELIDVSLLL PNTHAPEFSA
 AIMELGALIC TATSPKCDTC PLLDQCQWQK LGCPSPSEEE LASAKKRVQK FVGTDQRVGR
 LIMDVLRNAT APVPLSAIDV VWPDDAQRSR ALFSLIEDGL AEQNEAGYFH LPR

> RXA02502 (1-1392, translated) 464 residues
 MVSVLIVGMS HRSAPVSLLE RLSMDDSVRG ETTQALLGRA SLSEALIVST CNRLEVYTVT
 SSFHTGVNDV VEVLHEASGV DIETLRGYLY VRYADAAEH MLVVTSGLDs MVLGEQQIIG
 QVRTAYQAN EYGSVGPALH SLTQTALHTG KRVHSETAID DAGASMVSFA VDRALVQMGL
 DSEAEAPLSG KTALVLGAGA MSSLAATHLG RAGISNLIMA NRTLERAERL AEHSLEAGVP
 AEVVEYDQRA SAYNRVDLVV SATGADDFTV KPEDIPEGAS LMLVDLSMPR DIDDACADLP
 GVDLVNIERL HKASREGGSG MAPSEEEALA IVREELDSFT SEQRIRDIVP AVSALRRQAA
 SVGSDELDRl RQRAPGISEV EWGEVEKTGR RVVDKLLHEP TVRVKELAAR SGSISYDSAL
 QELFGLESla STAAPATTSV NASELPDAGI VAFVNAPSAT QTRE

> RXA02509 (1-1971, translated) 657 residues
 DLPNKGPEAI VCAKDAEQQL KDLSHVPETT ATFTAVPANT DDGRAVIRHS CAHVLAQAVQ
 AEFPGTKLGI GPAIENGfYy DFDAAEPTFP EDLKTIEKRM KKIIKTGQKF ERRVYESAEA
 AAEEKNEPY KLELIQDKGN VDPNSDEATE VGAGELTAYD NVNPTSEVE WSDLCRGPHI
 PTRYIPAFa LTRSSAAYWR GDQDNAGLQR IYGTAWEDKE SLDAYQTMLA EAEKRDHRRl
 GTELDLFSFP DDLGSGLPVF HPNGGIVRNE MEDHSRRRHI AAGYSFVNTP HITKQDLFER
 SGHLGFYKDG MFPPMQVDAE FDEDGNVTKP GQEYYLKPMN CPMHNLIFDS RGRSYRELPL
 RLFEFGNVYR YEKSGVIHGL TRARGFTQDD AHICYTEDQL EAELTSVLDF ILSLLRDYGL
 DDFYLELSTR DPKKSVGSDE IWERSTEILN RVATNSGLEL VPDPEGAAFY GPKISVQARD
 AIGRTWQMST VQLDFNMPEr FNLEYTSSDG SKQQPIMIHR ALFGSIEFF GVLLEHYAGA
 FPAWLAPHQV MGIPVADDCI PHLETITAQL REKGIRADVD TSDDRMQKKI RNHTTGKVPF
 MLAGARDVE ANAVSFRFLD GTQVNGVPVD EAIaVISSWI GDRINDQPSE DSIAARR

> RXA02523 (1-819, translated) 273 residues
 VTIFPEYLDL LRHALLGKAI EDGILEVGvH DLrNWATGGH KAVDDTPYGG GPGMVMKPEV
 WGPALDDVAA GRVSGAELDS ASLHLKNVRH DELGGVEKRA YVVEEDRDLP LLLVPTPAGK
 PFTQADAQAW SNEEHIVFAC GRYEGIDQRV IDDAANRYRV REVSIGDYVL IGGEVAVLVI
 AEAVVRLIPG VLGNNRSHEE DSFSdGLLEG PSYTKPRTWR GLDVPEVLFS GNHAKVDRWR
 RDQALLRTQA IRPELIDASL LDSTDLKVLG LDK

> RXA02557 (1-588, translated) 196 residues

MSSLIVGTDG LSRPSWAAQD PLMRDYYDTE WGMPIRDEQG LFERVSLEAF QSGLSWATIL
 RKRDSFRAAF SQFDPELVAK FTDADIERLM EDAGIVRNKR KILATINNAK ATLQLREKGG
 LVEFVWGFKP IDTPQPETLE EIPTQSPESV ALSKALKKEG FSFVGPTTME ALMEAIGIVD
 THLVGSHRRG SSGVWA

> RXA02563 (1-732, translated) 244 residues
 MMPYITDIAA LEHVGVAAGW TEKVPAFRVL REKRMLDFRA PITVITGENG VGKSTLLEAI
 AINAGFDTAG GEHTGKFKPS DNPLQTVAKA HKGKEPMRGY FLRAETHFNV ASGYRDEAPG
 WVNLLHHMSHG ESVMHIVQNA FVGKGLYLMD EPEAGLSFIR QMAILAELNF LAESGAQIII
 VTHSPVLMAI PGAEIWEFSA SGELHRGFDF EVTTAFRALR DFFEDPEEIA EYMMDVMMDN
 KGES

> RXA02590 (1-936, translated) 312 residues
 MGISLLSSLL KIHGFPVVAD FFFALAVVVA IVIIGGWLII RSPSFKTEVM PAWAMLSMGL
 IALGTASPVV LGDDLWGFMF VCWSIGTAVG LVAYSLEYTA ILRSKAGTPT FAWGLPLVTP
 MVASTSAAQL HEHFELPAML WVSFGLFLLT LASAPAVFTR VYFYFPGPKA QGIPLMATPT
 SWIPLGMVGQ STAAAQLIGA SFGSKTAIM GIYGIIMGI FTIPLGAIAH FVFYRAVFKG
 ATYSPTWWAS TFPVGTLSLG AHFLSQSTGV EWFNYFSLYL IALMLFHVIV STIAGTIAMV
 RRIVGKLKSQ LA

> RXA02607 (1-219, translated) 73 residues
 MRDTAFRSIK AKAQAKRRSL WIAAGAVPTA IALTMSLAPM ASAQSSNLSS DAVIGSIAQG
 VTDGLTDYK PRV

> RXA02608 (1-1695, translated) 565 residues
 VRVISAEWAT SKHVILTIQS AAMPERPIKV QLLLPRDWYS SPNREFPEIW ALDGLRAIEE
 QSGWTIETNI EQYYADKNAI VVLPVGGESS FYSDWEGPNN GKNYQWETFL TQELAPILDK
 GFRSNTDRAI TGISMGGTAA VNIATHHPDM FKFVGSFSGY LDTTSAGMPI AISALADAG
 GYDANAMWGP VGSERWQEND PKSNVDKLKG KTIYVSSNG ADDFGKEGSV AIGPANAAGV
 GLEVISRMTS QTFVDRASQA GVEVVASFRP SGVHSWEYWQ FEMTQAFPHI ANALGMSTED
 RGVECAPVGA IADAVADGAM GTCLTNEYDV TGGKAQDFAN GRAYWSANTG AFGLVGRINA
 RYSELGGPAS WLGYPTSSSEL KTPDGRGRFV TFEHGSYIWT ATTGPWEIPG DMLAAWGTQD
 YEKGSIGYPT GAAVEYNGGL RQQFEGGYVF RTSNNQSYWV RGEISKKYAE DGIFAQLGFP
 TGNEKLINGG AFQEFKGNL YWSASTGAHV ILHGDIFDAW GAKGWEQGEY GFPTSDQTAI
 TAGGQTIDFQ NGTIRQVNGR IEESR

> RXA02625 (1-786, translated) 262 residues
 MTAIFYDLMD FDEVLEKYDP VMGLEVHVEL GTETKMFSAS SAHFGAEPNS NVDPVSLGLP
 GALPVVNAKG VEWAIKIGLA LNCSIAESSR FARKNYFYPD QPKNYQISQY DEPIAYDGYL
 DVVLEDGTEW RVEIERAHME EDTGKLTHLG GTSGRIHGAT ASLVDCNRAG VPLIEVVTKP
 IEGAGARAPE IAKAYVSALR DLVKALGVSD GRLDQGSMDV DANLSLRPIG QEEFGTRTET
 KNINSLKSVE QASTFEMQRQ AQ

> RXA02671 (1-579, translated) 193 residues
 MKSGCFEQQS DGIKEVPDPS GLFLSHRGST PDGTAVTVAM DGVRPLLAEV QSLLDVAPSK
 NPRRVVTGLD ANRVPMVLAV LSARAGRQTO GKDAYVATVG GMKVGEPATD LAVALATASA
 LAKKPLPKT VVLGEVGLAG EIRRVPNVDR RLAEAERLGY EKAVIPGGSG IKQTSRLVIE
 ASTLAELAA VSL

> RXA02686 (1-1137, translated) 379 residues
 MSVAQLANRL AQLSPAHEGF AWFDPETITAG HGVGPLHGMV IPAKDLNDVA GMPTAFGNAS
 RRVATDTDP FIQNLIDRGA IIAGKTQTSE LGMTAYCEPI DMDAPSNPVL PGHTPGGSSG
 GAAVAVARSL VDAHASDGG GSIRVPAAAC GLVGFKPAHD SSGGNPSTQG FITRDVATQV
 RLHALQPRTR RLRIGVLAEP IHANSLVDAP FLSILESTAH LLEKAGHEIV SVPLPYGAWA
 FDAYTEVFMM KSAGLTNLGS PITRWLSEQG RSLSPSDRQS SVKAFDSVAE TVHGAWDIDV
 LLTPTLAYAP PKIGYFSSMP PEEDFLAQTK WTPWATLFNM TGGAAISVPV EGVGIHLGGI
 RVRDEDLLGL AAFVERAVA

> RXA02692 (1-1266, translated) 422 residues
 MIDLKFLRDN PDVVRASQIT RGEDPALVDE LISADESRRE AIKAADDLRA EQKAFGKKIG
 QASPEDRPAL LEGSNELKAK VKDAEAAQEA AEAKVNELQM KLSNVVSGAP AGGEDDFVVL

ETIGEPRTFD FEPKDHLELG ESLGLIDMKR GTKVSGARFY YLTGDGAMLQ LGMLMLAAQK
 AREAGFSMMI PPVLRPEIM AGTGFLGDHS EEIYYLERDD MYLVGTSEVA LAGYHKDEII
 DLNEGPVKYA GWSSCFRREA GSYGKDRGI LRVHQFDKVE MFVYCKPEDA EDVHQQLLGM
 EKEMLAIEV PYRVIDVAGG DLGASAARKF DTEAWVPTQD TYRELTSTSN CTTFAQARRLQ
 TRYRDENGKP QIAATLNGTL ATTRWLVAILE ENNQADGSV VVPEALRPV GKDVLPVKVQ
 AG

> RXA02726 (1-2934, translated) 978 residues

LFLATRPCRG YRVPRVFSWD THGLPAELEA EKQLGIKDKG EIEAMGLAKF NEYCATSVLQ
 YTKEWEEYVT RQARWVDFEN GYKTMDLSFM ESVIWAFKEL YDKGLIYQGF RVLPSYWAH
 TPLSNQETRL DDSYKLRQDP TLTVTFPVTG VVEGSSANAG LVGALALAWT TTPWTLPSNL
 ALAVNPAVTY ALVEVAEDGE AEFVGKRVLL AKDLVGSYAK ELGAEAVIVS EHPGSELVGL
 TYEPIFGYFR DHANGFQILG AEYVTTEDGT GIVHQAPAFG EDDMNTCNAA GIEPVI PVDI
 DGKFTGLVPE YQGQLVFDAN KDIIKDLKAA GRVVRHQITIE HSYPHSWRSR EPLIYMALPS
 WFNVTETIRD RMVEVNQDIE WMPAHIRDGQ FGKWLEGARD WNISRSRYWG SPIPAWVSDN
 DEYPRVDVYG SLDELEADFG VRPKSLHRPD IDELTRPNPD DPTGKSTMRR VTDVLDVWFD
 SGSMFPFAQVH YPFENKEWFD THAPADFIVE YIGQTRGWFY LLHVLSTALF DRPAFKKVVA
 HGIVLGDDGL KMSKSKGNYP NVNEVFDRDG SDAMRWFLMS SPILRGGNLI VTEKGIREGV
 RQAQLPMWNA YSFLQLYTSK NATWSVDSTD VLDRIYLAKL HDLVAETQAA LDGTDIAKAC
 DLVRNFCDAL TNWYVRRSRD RFWAGDEAHP EAFNTLYTVL ETLTRVAAPL LPMTTEVIWR
 GLTGERSVHL TDFPSAESFP ADADLVRTMD EIRGVCSAAS SVRKAHKLRLN RLPLPGLTVA
 LPDSARLADF ASIIIRDEVNV KNVDLTSDVD SVGTFEVVVN AKVAGPRLGK DVQRVIKAVK
 AGNYTREGDV VVADGIELNE GEFTERLVAA NPDSTAQIDG VDGLVVLDM E VTEELEAEGW
 AADAIRGLQD ARKNSGFEVS DRISVVVSV EDKKEWITTH ADHIAAEVLA TSFEIVTDAL
 DGETHDIVAG VTAKVTKN

> RXA02731 (1-2097, translated) 699 residues

MAFAAEHPVL SHSEHRPVGE IERSDDKFVV VSEFEPAGDQ PAAIKELDER LDRGERDVVL
 MGATGTGKSA TAAWLIEKQQ RPALVMAPNK TLAAQLANEL RQLLPNNAVE YFVSYYDYQ
 PEAYIAQTDY YIEKDSSINE DVERLRHSAT SLLSRRDVV VVSSVSCIY LGTPQSYLDR
 SVVLNVGEEI DRDRFLRLLV DIQYERNVVG FTRGAFRVKG DTVDIIPAYE ELAVRIEFFG
 DEIDALYYIH PLTGDTIRQV NEIRIFPATH YVAGPERMEK AVADIKAELE VRLADLENRG
 KLLAQRLRM RTEYDLEMIE QVGFCSGIEN YSRHIDGRGE GTAPATLIDY FPFDFLTID
 ESHVTVPQIG GMFEGDMSRK RNLVEFGFRL PSAMDNRPLT WEEFDERRGQ TVFMSATPGK
 FEIAAADGEF VEQVIRPTGL VDPKVTVKPT KQIDDLIHE IRQRTDKDER VLVTTLTCKM
 AEDLTDYLL NGIRVRYLHS DIDTLQORVEL LRQLRLGEYD VLVGINLLRE GLDLPEVSLV
 AILDADKEGF LRSTTSLIQT IGRAARNVSG EVIMYADKIT DSMQYAEET DRRREKQVAY
 NKEHGIDPQP LRKKIADILD QVYDNSADGA GPSASGDAV VAKPDVSSMP AKEVQKLIDD
 LSAQMAAAR ELKFELAGRL RDEIFELKKE LRGIKDAGI

> RXA02742 (1-2349, translated) 783 residues

MSEQRLDQLE RRLSELEREI AAIRQEIRQE RLVLPPEPEPV KVDTVIATEA TGVNASSGPE
 AKIALFMERF SGRHDVYARR WTSRKTGKSG WSPATROGFY SKDTPPKDYL PFTVDTVNAH
 LRRGGDHIGL YVMVPIDTCK LLACDFDDGT WKQDAAAFVS ACTDHGIDAL AEISRSDDGA
 PVWIFFDTPI SAMLARLGF AMLRQAMNSR PDMDMSSYDR FFPAQDTIAT RANGSARLGN
 LIALPLNGDC RARNTAVFAD SETWVPFEDP FAALAAITPL ATEKIEQILA TTQEKFGPEP
 EHIKRPTRAE LKQVKANGET IKLTITNELS VPTERLPAAV IAEIKHRAVI PNPEFYRRQA
 QRFSTFGVPR IVIRFAQAEQ RLLLPRGLVD DTLRILTLAG YKVSIVWPRQ TRKTIDASFE
 GELRSMQOEG IDSLKGQRTG VLVAPPGAGK TVMACALIAN RKIPTAVIVN RAEISQWRD
 RLAQYLSIDA DSIGQIGAGR RKTGTIIDLI TVQSLSRKDS DPKILEQYQ IIVDECHNIA
 APGAEEALNQ VKAPYWLGLT ATPFRSDHMD EIITMQCGPV RHRMEVATDN EQRLIHET
 SFDSEETTEI QDLYNELAVD SARNAQITAE VHKALEAGDR CLVLVNRIAA LEALTSSITE
 SGDHTVLVMH GRQTQEERVH LRAQLASLSE KQDPFVLVAM NKVAGEGLDI PSLNTLFLAA
 PVSFKGLVIQ QIGRVTRATG DQNAPPVTAT VHDFVDSKIP TLKRMHGRRRL RAMQKEGFV
 SEP

> RXA02748 (1-1641, translated) 547 residues

VFESLSDRIN SALSGLRGKG KLTEADINAT TREIRLALLE ADVSLTVVRA FINRIKERA
 GAEVSQALNP AQQVIKIVNE ELVQILGGET RRLSLAKNPP TVIMLAGLQG AGKTTLAGKL
 SKHLVKQGH PMLVACDLQR PGAVQQLQIV GERAGVTTFA PDPGTSIDSL EHEMGTSBGD
 PVEVARAGIE EAKRTQHDIV IVDTAGRLGI DETLMTQARN IREAINPDEV LFVIDSMIGQ

DAVDTAEAFR DGVDFGTGVVL TKLDGDARGG AALSIREVTG KPIMFASTGE KLDDFDVDFHP
 ERMASRILGM GDVLSLIEQA EAVMDQEKAE VAAQKLGSGE LTLEDFLDQM LMIRRMGPFG
 NILKMLPGGK QMSQMDMVD EKQLDRIQAI IRGMTPAERD NPKILNASRR KRIANGSGVT
 VSEVNKLVER FFEARKMMGQ MAGQFGMGPG SRSATKKQAK GRKGKNGKRK PAKKGPTQPK
 MPMGGMPPMP GMPGMGGAGM PDLAELQKQL GGAGGGMGGL GGGLPGMPKP PKGMENIDLN
 NLDFGKK

> RXA02788 (1-2664, translated) 888 residues

VQTHEIRERF TNHFFVNAGHQ AVPSASLILD DPNLLFVNAG MVPFKPYFLG QQTTPPFENG
 ATSIQKCVRT LDIEEVGITT RHNTFFQ MAG NFSFGQYFKE GAITHAWGLL TGSVADGGFG
 LDPERLWVTY YLDDDEAAEI WEKKIGVPSE RIQLGMADN YWSMGVPGPC GPCSEIYYDR
 GEKYGKEGGP VADDNRYMEI WNLVFMERER GQGIGKDNFD ILGDLPPKNI DTGMGVERVA
 CILQDVENVY ETDLLRPVID VAETLTGT KY GSDNTSDIRF RVIADHSRTG MMLILDGVTP
 GNEGRGYILR RLLRRIIRSA RLLGATGETM EQFMNTIMDT MTPSYPEIAD NRERIMRVAV
 TEERAFLKTL VSGTHLFEEA ATSIKAAGST KVAGAQAFAH HDTYGFPIDL TLEMAAEAGL
 EVDVEGFDSL MAEQRSRAKA DSQAKKHGHT DLSIYREWVD NNPTVFTGFE ELDSQSKVLG
 LLSDGAKISE ATEGQEV EVI LDQSPLYAES GGQLGDRGQI LLGDTVLDVH DVQKIGKKLW
 VHKAIVANGG LAVGDEVVAS VDKQWRHAAR QAHTATHLIH AALRQVLGPT ALQAGSMNKP
 GYLRFDFNYT EQLTPAQVEQ IQAITNEAVD TDWAVNTVET SLEEAKAMGA MALFGENYGS
 TVRVVEIGGP FMSMELCGGTH VAHSSQIGPV ALLGESSIGS GVRRIEAYSG LNSFNYSKE
 RALAEGGLASS LKAPSEELPE RVAQLVDKLL AAEKEIEALH RQQLMAQTAD LLNNAQEIGG
 VTTLLLRVKD NTNAGDLRTI ATTLLKDKLGD REGVLVIASD NAGKVPFVVA ATKA AVARGA
 HSGNLVKLVG SYIDGRGGGK ADLAQSGGAN IAGLESAFGA VRAEIEAL

> RXA02822 (1-570, translated) 190 residues

GTEVSHPAHG AWSQFKFEGG VHRVQRPVPT ESQGRIQTSA AGVLVYPEPD EVENVEIDEK
 DIRVDVYRSS GKGGQGVNTT DSAVRITHLP TGLVVTCQKE RSQIQNRARA MQVLAARLQA
 MKEEEAAAEA ATGRAAQIRT MDRSERIRTY NWPENRISDH RIGFKANNLD SVLDGELDDL
 FTALQAAERA

> RXA02837 (1-174, translated) 58 residues

MNTKLHAVTD ATGRPIRFFM TAGKVSDYIG AMALLGSLPK AGWLLADRGY DADWFRDA

RXA02860 (1-438, translated) 146 residues

DLQNPTAKMS KSGDNPKGII NLLDDPKVST KRIKSAVTDN DGVIAYDPEN KPGVSNLLVI
 QSALTGTSID SLVDGYQGAG YGALKGDTAD ALEAFTTPLK AKYDEYMNDR GELERVLAI
 AERATEVANE TLADVYDKIG FLASRR

> RXA02866 (1-480, translated) 160 residues

MTTQDKDLTA QTASRVLSGI OPTADSYHLG NYLGAVKQWI DLQDSYDAFY FIPDLHAITV
 DQEPEELNRN TISGAQLLA LGIDPERSTL FVQSHVPAHA ELSWVLTCLT GFGEASRMTQ
 FKDKSSKRGA DRTSAGLFTY PMLMAADILL YRPHLVVGE

> RXA02886 (1-831, translated) 277 residues

MKLFSKAAGV IAAALLVAGG IAPVAQGGAS QVVTPEQDA YVQQFHHEGN TPPVVDGVGG
 YTEQEIAEIH EAIRQAQESG APNEELIPGE MWSKVELPV TIDKAAADEA EIAIAQQQSQ
 PQTRGLAAAA ACQTFWPSPH QVCGAILERY IQQGAQFGWM LFPSEGQTLN PDGQGYRQRF
 MNGFVYWHPT TGAHAVNNYS AQVWERNWE SGWMGYPTGG EVPVNGSNPI DGELSGWVQT
 FQGGRVYRSP VLDGFQVASI NGLILDKWLE LGGPDS

> RXA02890 (1-1083, translated) 361 residues

MHEGRRYSAP HTFGTKGEAQ EFLASERTAI INGTWMDFEM RERFEQAQRE AEERMMETFF
 SYASRWIETR TNAQGGKLSQ GVKDDYFRIY KSDRLSYWAD YALCEITVAD VREWSDTIQ
 DGKLTSMARS YSMMKSVMET AVEDGIIPMN PCKVRGGGNT KTGKKVDVPT DAELEAIIGA
 LPSKYFCLAI VAAAGALRFG EIVALRTTDV DVYFDRSGFV DCVRIRISRS IRHTRYHGRV
 EGPPKTEAGV RSLYIYGKDA AEIAKHVDTI DVGLRLWSSM RDPDEPMPYH TFKHNWDRAR
 ESVHASKATVH SMRHYSGTKY AQVGATLKEV MARLGHSTPS AALRYQHSGE RDEELAKRMA
 R

> RXA02894 (1-786, translated) 262 residues

FLMHHELPEPL EAAIGADGQR SIVGMSMSGG SVLNFATHDP NFYSSVGSFS GCAETNSWMG

09602839 " 062300

V DATLKKNL RDKGIEVHSHPGFLLTEPWEVSTATGTPYKVFTPF SKAAWEVARVHAYETV
 KNNVPVPSHLTG PEDVELPILEMEQPFWSTTLVKECAPGEKNASEKLFDFLEHLQDYPQA
 RDSLARSATSKLSAHLRFGEISIH RVWAETA AIDSEGTELFLKELLWRDFAWHRLYALPH
 MDTQNVRMQFNRF GWSWDPSEKDKLNT PSTPLIPTKADQFHEDLAAWRAGKTGIPLV DAG
 MRELWATGSMHNRVRMVVASFLTKNLQIHWRHGEWFWETLV DADPASNAFNWQWAAGSG
 DDASPYFRIFNPVTQAKKFDPDETYIRRWVPEYGTSPYDPDIVDLKESRQIALDAYS AIK

>RXN00493 TRANSLATE of: rxn00493.seq check: 4601 from: 1 to: 1614
 MAKLIAFDQDAREGILRGVDALANAVKVTLGPRGRNVVL DKAFFGGPLVTNDGVTIARDID
 LEDPFENLGAQLVKSVAVKTNDIAGDGT TTTATLLAQALIAEGLRNVAAGANPMELNKGIS
 AAAEKTLEELKARATEVSDTKEIANVATVSSRDEVVGEIVAAAMEKVGKDG VVTVEESQS
 IETALEVTEGISFDKGYLSPYFINDNDTQQAVLDNPAVLLVRNKISSLPDFLPLLEKVVE
 SNRPLLI IAEDVEGEPLQTLVVNSIRKTIKVVAVKSPYFGDRRKAFMDDLAI VTKATVVD
 PEVGINLNEAGEEVFGTARRITVSKDETIIVDGAGSAEDVEARRGQIRREIANTDSTWDR
 EKAEERLAKLSGGIAVIRVGAATETE VNDRKL RVEDAINAARAAAQEGVIAGGGSALVQI
 AETLKAYAE EFEGDQKVGVRALATALGKPAYWIASNAGLDG SVVARTAAALPNGE GFNA
 TLEYGNLINDGVIDPVKVTHSAVVNATSVARMVLTEASVVEKPAEEAADAHAGHHH

>RXN00669 TRANSLATE of: rxn00669.seq check: 6043 from: 1 to: 882
 MDNSTVRIRLDLAYDGTDFHGWAKQGTSDLRTVQKVLEDNLSMVLRETVELTVAGRTDAG
 VHAAGQVAHF DIPAHALEQRSIDGDP SKLVRR LGRLLPDDIRVHGVRFAEPGFDARFSAM
 RRHYVYRITTHPAGALPTRRHDTAQWPKPVELERMQLAADALLGLHDFVAFCKAKPHATT
 VRELQKFAWKDVSTDI EPQVYEAHV VADAF CWSMVRS LVGSCMAVGEGRRGSGFTAELLD
 ASERSPMVPVAPAKGLSLVGVDYPSADKLQERALETRAVREFPDASASLKL DDE

>RXN00737 TRANSLATE of: rxn00737.seq check: 824 from: 1 to: 993
 MKVSDIRQFSVADQRTIPEITIKSIEIFPARELLITEEVASRAESLISKHPGNPTLVEML
 SRIADSQDVGMEALIPALTDTPMVPMLELMPENTHVLVIAPEKVRRIADLEATDAEFL
 MAGWEAAAMGADGPVAAEGLDLEASSYRSYESLEVSASKSDVRWWTFAPPGMFEASEEAT
 LPLDFEAGPAPRGELPKIDAMMAQLLAHTTGGGRAAFIAPTQGAIKRMVDRFAEKGIPTH
 VATPGWEPTPGQVTLYHALSHAGLVFPKVRKHRDGAAMPLVVITETDLTGNRVGDIAGRN
 VDLQNAATR WILWRWSQGIWWMFKPTALVVL

>RXN00833 TRANSLATE of: rxn00833.seq check: 7757 from: 1 to: 495
 MAKTHFQNETATSGELPQVGDNLAEFNLVNTTELGEVSSKDFQGRKLVLNIFPSVDTGVC
 ATSVRKFN EAAASLENTTVLCISKDLPFALGRFCSAEGIENVTPVSAFRSTFGEDNGIVL
 EGSPLKGLLARSVIVVDENGKVAYTQLVDEIFTEPDYDAALAGLN

>RXN00937 TRANSLATE of: rxn00937.seq check: 2481 from: 1 to: 372
 MATIDVTEETFESTVTGDGIVLVDAWASWCGPCRQFAPTYEKVSETHTDATFAKLDTEAN
 QGLAAALQIQSIPTLMVFRD GIMVYREAGTMPAPALDDL VNQVKALDMD DVRRQVAEQQG
 SAEA

>RXN00966 TRANSLATE of: rxn00966.seq check: 3319 from: 1 to: 540
 MTNPSEGTTPLAFRYTP ELANKIEGEWQNYWTDNGTFNAPNPVGD LAPADGKALPEDKLF
 VQDMFPYPSPGAGLHVGHPLGYIATDV FARYNRMLGKNVLHTLGYDAFGLPAEQYAIQTGT
 HPRTTMANIENMKRQLGALGLGHDSRRAVATTDPEFYKWTQWIFLQIFNSWFD AEQQKA

>RXN00975 TRANSLATE of: rxn00975.seq check: 760 from: 1 to: 1650
 MTPADLATLIKETA VEVLTSRELDTSVLPEQVVVERPRNPEHGDYATNIALQVAKKVGQN
 PRDLATWLAEALAADDAIDSAE IAGPGFLNIRLAAAAQGEIVAKILAQGETFGNSDHL SH
 LDVNLEFVSANPTGPIHLGGTRWAAVGDSLGRVLEASSAKVTREYYFNDHGRQIDRFALS
 LLAAAKGEPTPEDGYGGEYIKEIAEAIVEKHPEALALEPAATQELFRAEGVEMMF EHIKS
 SLHEFGTDFDVYYHENS L FESGAVDKAVQVLKDN GNLYENEGAWWLRSTEF GDDKDRVVI
 KSDGDAAYIAGDIAYVADKFSRGHNLNIYMLGADHHGYIARLKAAAAALGYKPEGVEVLI
 GQMVNLLRDGKAVRMSKRAGTVVTLDDLVEAIGIDAARYSLIRSSVDSSLDIDLGLWESQ
 SSDNPVYYVQYGHARLCSIARKAETLG VTEEGADLSLLTHDREGDLIRTLGEFFAVVKAA
 ADLREPHRIARYAEELAGTFHRFYDSCHILPKVDEDTAPIHTARLALAAATRQTLANALH
 LVGVSAP EKM

>RXN00985 TRANSLATE of: rxn00985.seq check: 4212 from: 1 to: 2709

PRPGGMPRPMGKPAKPGARAPRVANNPFSTGGGERPAPRPGGGPRPGGGPRPGGGPRPQ
 GQGRPGGQRDGQRDGQRDGQGNRGGQRQAGAGGPRPQGGPRPQGGSRPQGGSAQGAQGA
 PSQERQGGRRPSPAMMPPTPGQMPAKAPGKGGRGQAGGGAGGGFNRGGTGGGAGRG
 RRGGTAGAFGRPGGAPRRGRKSKRQKRNEYESMQAPNVIGGVRLPDGKGATIRLARGASL
 ADFADKIGADAAALVQALFNLGEMVTATASVSEDTLQLLGEEMNYKVQVVSPEDEDRELL
 ESFDLQFGEDEGEADLAKRPPVTVMGHVDHGKTRLLDTIRKANVGSDEAGGITQGIGA
 YQVKVNVEDTERTITFLDTPGHEAFTAMRARGAKSTDIAVLVVAADDGVMPQTVEAINHA
 KAADVPIVAVNKKIDKPEASPEKIRGQLTEYGLIPEEYGGDTIFVDISAKQGLNIDELLA
 SVCLTADAELDLVANPEMDAQGVAIEAHLDRGRGPVATVIVQRGTLRVGDSIVAGDITYGR
 VRRMVDEYGRDVEEAGPSRPVQVQGLNGVPGAGDNLVVEDDRIARQIANQRNARKRNAL
 AARSKRKVSLELDLSVLKEHSTLNLILKGDNAGSVEALEEALLKIEMDDEVQLNIIDRGV
 GAVTQTNVTLAAASDAVIAFNVRAEGKATEEANAEGVDVRYTYIIYRAIEEVEAALKGM
 LKPIYEERVIGHAEIRAFKASSVGLIAGCMVEDGKVRNATVRIIRDGNVIAENAKIVS
 LRREKDDATEVSAGYECGMVLSYDPDISVDDKIEVYEMVEVPREA

>RXN01541 TRANSLATE of: rxn01541.seq check: 7782 from: 1 to: 777
 MTTPHSHRAPRLASTVIIARESADSGTLEFFIQQRQSTMAYAAANAVVFPGGGVEDSDYPF
 MLPHRDQHMSPEHIKHHASRLHMDSETMAAHISAARREVWEETGVDLGNYNHELIPIDRW
 ITPDIPAFRRRYDTATFVLILSKDSTNAALQHQQHTTEATHSYWATAEELLTQWSTGHLN
 LLLPTWWHINQLNHLHTLNQLYSFAQRTHNPQHTPPTVFANWTAPADEAAMQHYGFDPDP
 AYFDHATIAGKHHTLITRK

>RXN01559 TRANSLATE of: rxn01559.seq check: 3150 from: 1 to: 1842
 VLIIVGVYALVLLTGDRSATPKLGIDLQGGTRVTLVPQGDPTQDQLNQARTILENRVNG
 MGVS GASV VADGNTLVITVPGENTAQAQSLGQTSQLLFRPVGQAGMPDMMTLMPLEEMA
 NRWVEYGVITEEQANASLEEMNTAVASTTAVEGEEATEPEPVTVSATPMDEPANSIEATQ
 RRQEITDMLRTDRQSTDPTVQIAASSLMQCTTDEMPLAGTDDPRLPLVACDPAVGGVYV
 LDPAPLLNGETDEENGARLTGNEIDTNRPTGGFNAQSGQMEISFAFKSGDGEESATWS
 SLTSQYLQQQIAITLDSQVISAPVIQSATPVGSATSITGDFQTQEAQDLANNLRYGALPL
 SFAGENGERRGTTTTVPVPSLGAASLKAGLIAGIVGIALVAIFVFAYYRVFGFVSLFTLFA
 AGVLVYGLLVLLGRWIGYSLDLAGIAGLIIGIGTTADS FVVFYERIKDEIREGRSFRSAV
 PRAWESAKRTIVTGNMVTLLGAIVIYLLAVGEVKGAFTLGLTTVF DLVVTFLITAPLVI
 LASRNPPFAKSSVNGMGRVMKLVEERRANGELDEPEYLKKIHAKNAAADKASTDNSSTDN
 SEAPGTDTNQEEK

>RXN01583 TRANSLATE of: rxn01583.seq check: 2692 from: 1 to: 2343
 VETIEELTEFKKPIRHCHVNVGDANGTGELOQSI VCGARNFKEGDTV VVSLPGAVLPGDFA
 ISARETYGRMSAGMICSASELGLADKQNSGIITLDPSYGEPGEDARQALGLEDTVFDVN
 TPDRGYALSARGLTRELASAFSLTFTDPAIEPAVAGIEVKVPAVEGSLINVELREETKAI
 RFGLRKVSGIDPAAESPFWMQRELMLSGQRPVNAATDVNTYVMLLLGQPMHAFDAAKVTG
 DLVVRNATAGEKFETLDHVKRTLNEEDVITDDNGIQSLAGVMGGLTSEISDTTDDVYFE
 AATWDTITVARTSRRHKLSSSEASRRFERGVDPATVEIALDIAATLLVEIAGGTVDAGRTL
 VGDVPAMQPITMKVTRPSELAGVDYSAETVIARLEEVGCTVAVSGDTLEVTPPTWRGDLT
 MSADLVEEVLRLEGEAIPTIIPAPAGRGLTDAQKRRRAVGHALAYAGYAEIIPSPFMD
 PEVFDVWGLAADDERKT VSVLNPLEAERNVLSTSLLP SMLDAVKRNVARGHND FSLFGL
 QQVAFEHSGSVSPMPSVASRPEESVVAELVDSLNPQLHVATVGTGNIEFEGPWGKGRAY
 TFADAIESARAVARAAGVTLELANADALPWHPGRCAALLIDGTPVG YAGELHPQILEKAG
 LPARTCAMELDLSALPLVENLPAPVLSSFPALHQDIALVVDETIPAEDVRVVEAGAGEL
 IETVELFHVFRSEQRGENKKS LAFSLRFRAAGRTL TDEEANEARLQAAELAKEKFNAEMR
 G

>RXN01670 TRANSLATE of: rxn01670.seq check: 7045 from: 1 to: 807
 MPEGHVIHRLAGELTKNFGDTILDATSPQGRFTSEAAIINGHRIAVAEAYGKHLFVEFDA
 DHPEHILYIHLGLIGTLQFEPAEETRQIRLHLS DGEIAANLRGPQWCRLITDAERTQAI
 GKL GADPIRDDADPEPIRIKVRSGRSIGSLLMDQKLFAGVGNIYRAETLFRLGISPFTI
 GKDITTAQFRSIWADLVGLMKDGVVTGRIDTVRPEHTPEAMGRPPRKDDHGGEVYTYRRT
 GQECFLCATPIKEQVMEGRNLFWCPGCQR

>RXN01671 TRANSLATE of: rxn01671.seq check: 7692 from: 1 to: 1149
 MNHVVN FASHLEDAALKQAEATATMPFIYPHVALMPDAHFGLGSSVGT VFGTKGAIIPAA
 VGVDIGCGMIGVCTNYTASDLEGRDLVTLRDYIERVIPLSPGNYNSTTLKETAKVKVAEL


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>RXN02004 TRANSLATE of: rxn02004.seq check: 647 from: 1 to: 207
RVGRLMRQNGILIIRSRKFKRITGSDHTFNIAPNFLQQDFMASRPNQKWAGDITYVWTRE
GLGLSGRHS
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>RXN02267 TRANSLATE of: rxn02267.seq check: 5927 from: 1 to: 873
VQKWGLSFVERIVIVNNVQQFHRFFDDSAVYYPCFVPLDRAIGEHFDRQNKPMRSFIGTL
ILPLAKLEEAAQYTGDEVLRVSAVISTDGLADLRDFYELPNIDIASVEIKLVGAALTNT
AWLGDVEKLIQQHRNTFVWVEIPTALVTADIVRKLRLHMGAGLKYRTGGDREELFSPQDL
VTVLRTAIDAALPFKLTAGLRHRLRYDEKTRGLHFGFLNIAAAVATLRAGKGEAEALKI
LEGDDAPLIALHLOGSENWRDSFRSFSTCNVVEPLNTLIDLDVLAEGDVHP

>RXN02280 TRANSLATE of: rxn02280.seq check: 171 from: 1 to: 1824
MQESSRDNFQVDLGGVVDLLSRHIYSGPRVYVRELLQNAVDACTARSEQGEEGYEPSIRI
RPVTKDRATFSLVDNGTGLTAQEARELLATVGRTSKRDEFGLOREGRLGQFGIGLLSCFM
VADEITMVSHAEGASAIRWTGHADGTFNLEILGDDATDVIPVGTTVHLTPRPDKTLLTE
NSVVTIASNYGRYLPPIPIVVGQEKNTTITTSVPFAKDDQQRHLYAGRERLGTPFDVID
LTSPGIEGVAYVLEPAQAHPMSRHSIYVNRMLVSDGPSTVLNPAFFVECEINSTDLEP
TASREALMDDTAFALATREHIGECIKSWLINLAMTKPHRVREFTAIHDLALRELCQSDADL
AETMLGLLTLETSRGRISIGEITTLSTIEDVSLQLATTLDLDFRQLNTIARPDTLIINGGY
IHSDLARLIPVHYPLTVSTADLRESMDLMELPPLQDIEKAKALDAQVTESLKDFQIKG
ATRVFEPADVPAVVIIDSKAQASDRNETQSATTDWRADILATVDNTLSRQTANI PQDQG
LSALCLDNWNSLVRKLASTDDTAVVSRTVRLLYVQALLSSKRPLRVKERALLNDSLADLV
SI.SI.SLSDI

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>RXN02287 TRANSLATE of: rxn02287.seq check: 4446 from: 1 to: 552
VYSISETIARTLMPRTDHFVDFLMGNGNAWFVDALERLGRGIITVRPTVETVAAADTYHRV
TRRPAVATTTYGAGFTNTMTTLADVALSRIPLLLVVGTAAPSAGPRCFDIDRQGLARAVGV
ETFTSVHADDVAAVTLQAWNNTPEINTHVILEIPYDLAAATATDPTVTTTYLLRPGFQKLPM
PTLS
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>RXN02291 TRANSLATE of: rxn02291.seq check: 8232 from: 1 to: 654
VVHLPNFLGLAEQKALVAQARDLAREVVGTPLAMVRPKLKSGQMSVHMLHLGKYWASNPY
RYVDVVDGFPVPPLPDSFVDLAHRALLSAGSLSNSLSQSWSEAYRAEAALVNYYSPPDASMG
MHQDANESEAPGVISIGDGTGIFRLGGTLNRNKPWTDIPLMSGDLIVFGGANRQA FHGI
PSIEANTAPAGPCGLKEGESTRSANLHYKTPGRGMSRG

>RXN02325 TRANSLATE of: rxn02325.seq check: 7224 from: 1 to: 867
MDHAHDCSCPTLRRDLEVTGQLQPEKAVDLAAPHEGKVANITKVTSSNMEHTITQASKAK
EVLVVLIGHSLLPFTQDLEKDILHFQAGNKGFRFSVAIVDPDRSADVVARFRPKQIPVAYVV
KDGASIAEFLSNLKEPVAQWLDHFVSRETIPNEKEGDVDVKQIDPRLWRAAELVNAGDFRA
ALALYEQLPQDATVKRAHAASVRLARMSVADRGEDPIEKSRRDPDDVNKALAAADMYVLM
NOPDTALAHLAALLPKPEAAARVILELLNLFDPDLDLVALEIRAQVGNAMS

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>RXN02386 TRANSLATE of: rxn02386.seq check: 6167 from: 1 to: 459
MAALAENYQTPAPSSQVVSVVGHVAKPGLVTLAEGSRVADALAIAGALPDADLTALNLA
QLLVDDGTQIHVLAIGEVPISVDAAATSASGLISLNTATVADLVTLPGVG EKTAQAIIDF
RESNGGFSTVEDLLQVKGIGPSKFEQISGLVSP
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>RXN02388 TRANSLATE of: rxn02388.seq check: 380 from: 1 to: 1662
MIEVRLVPVAAVMWMAVAALIINGSWVLSVGIVGIAIIAACVFKHWGQAVVIAALGVGAV
VMAALRISSAKAFEAPQTVWGTAETIKFLDSGDQLIGLRVEGYPAPIPVFYSGSDTIEKA
SLIAVSGRIKPDSPFGVGLTISTEDIDQLEPTTGYSAWVNQVRDGFSSQAVEETVGESSR
GLIPGMVLGDLRLQGSIEAQTYIDTGLSHLSAVSGSNVAIVVSSVVVLSYFLTAGPRIRV
VASLLSLVIFVSLVGFEPVSLRASVTGIVGLLAIINSSRMEPMHGLSLSVICLLFYDSNL
AVHYGFLLSCAATAGIVMLQPLLYRAIGPPLAVWKVPDIVVRAFAVSIADLVTIPTIAL
MARQISLVAVLANVLVELAVPPITLLGLIAVLASLLPWPVEYPLLKIEPFTWWIIHHVAK
WCQQLPNSTLEISAGWAGIAWACMAAVWVVVIIYKGYVRTLAVCCVCFLLFGAWNRLPA
QIDPTELRFVIIADDSELTDVPEHAELIIVEDPHGMSDRPIVIREGIPVLVYPYRDGEVS
LHIDGTOHAADGRF

>RXN02416 TRANSLATE of: rxn02416.seq check: 4089 from: 1 to: 2829
 VRGAREHNLKGVDDIDLPRDSMVVFTGLSGSGKSSLAFTDIFAEQGRRYVESLSSYARMFL
 GQMDKPDVDLIDGLSPAVSIDQKSTNRNPRSTVGTITEVYDYLRLLYARAGTAHCPVCD
 RVERQTPQQMVDQILGMEGLKFQILAPVVRTRKGEFVDLFDLASQGYSRVRVDGEVHQ
 LSDPPKLEKQIKHDI DVVVDRLQVKASQKQRLTDSMETALRLADGVAVLEFVGLEEDDPN
 RLRRFSEKMSCPNGHALTVDLELPRAFSFNPSYACGACDGLGVRTEVDIDLIIPDPDAP
 ATKAVQPWNSSPNHSYFEKLI EGLAKALGFDPETPYSELTAQKKALVYGSKEEVSRYK
 NRYGRVRSWTAPFEGVMGYFDRKLEQTDSETQKDRLLGYTREVPCTCKGARLKPEILAV
 RLDSGSHGALSIAGLTALSVEAFEFDLNLTGKREEMIAGAVLKEIHARLKFLLDVGLS
 YLTLDRAGTSLSGGEAQIRLATQIGSGLAGVLYVLDEPSIGLHQDNQRLITTLEHLRD
 IGNTLIVVEHDEDTIRRADWLVDIGPRAGEFGGEVVYQGE PKGILDCEESLTGAYLSGRR
 TLGVPDTRREIDKERQLKVVGARENNLQGIDVKIPLGVLCCITGVSGSGKSTLVNQILAK
 VLANKLNRRARQVPGRAKRVEGLEHLDKLVQVDQSPIGRTPRSNPATYTGVDKVRNLFAE
 TTEAKVRGYPGRFSFNKGGRCACQGDGTLKIE MNFLPDVYVPCVCDGQRYNRETLE
 VKYKGKNIAEVLGMPISEAADFFEPITSIHRYLATLVVGLGYVRLGQAATTLSGGEAQR
 VKLAAELQKRSNGRTVYILDEPTTGLHFEDIRKLMVIEGLVDKGN SVIIIEHNLDVIKA
 ADWIVDMGPEGSGGGTVVAEGTPEQVAEVAGSYTGQFLKELL

>RXN02431 TRANSLATE of: rxn02431.seq check: 2412 from: 1 to: 876
 DPLPVGALWGVGPVTGSKLASMGVETIGDLAALTQKEVEISLGATIGISLWNLARGIDDR
 PVEPRAEAKQISQEHTYEKDLLTRQQVDAAIIRSAEGAHRRLKDGGRGARTVSVKLMD
 FRIESRSYTL SYATDDYATLEATAFRLARYPGEVGPRLVGVVSFSGLEESRQDILFPELD
 QQIIVPPAPD TDYEVGVQSSSSSESTQVEAPQDVALSMWCATQDVYHPEYGHGWVQGAGH
 GVVSVRFETRSTTKGRKTSFSMDPDLTPADPLDSLWDWADWFAENGETGDDE

>RXN02462 TRANSLATE of: rxn02462.seq check: 3189 from: 1 to: 1818
 MTKDVHYEVDERKKTGVGKEEGVEYVEDQLGIDNLYAPEHSQVSYLNNAIKAQELFTRD
 KDYIVRNGEVMIVDGTGRVLGRAGRRYNEGMHQAIEAKERVEIKNENQTLATVTLQNYFRL
 YTKLAGMTGTAETEAELNQIYKLDVIAIPTNRPNQREDLTDLVYKTQEAKFAAVVDDIA
 ERTEKGQPVLVGTVSVERSEYLSQLLTKRGIKHNVLNAKHHEQEQAQIVAQAGLPGAVTVA
 TNMAGRGTDIVLGGNPEILLDIKLRERGLDPFEDEESYQEAWD AELPAMKQRCEERGDV
 REAGGLYVLGTERHESRRIDNQLRGRSARQDGPSTRFYLSMRDDLMVRVFGPTMENMMN
 RLNVDPDDVP IESKTVTNSIKGAQAQVENQNFMKRNVLKYDEV MNEQRKVIYSERREILE
 SADISRYIQNMIEETVSAYVDGATANGYVEDWDLDKLWNALEALYDPSINWTDLVEGSEY
 GKPGELSAEDLRTALVNDAAHAEYAKLEEAVSAIGGEAQIRNIERMVLMFPVIDTKWREHLY
 EMDYLKEGIGLRAMAQRDPLVEYQKEGGDMFNGMKDGIKEETVRQLFLSASSSSSKTRKS
 LTNSEP

>RXN02543 TRANSLATE of: rxn02543.seq check: 6877 from: 1 to: 1854
 MGRAVGIDLGTNSVSVLEGGEPPVIANAEGRSTTPSVVAFKNGEVLVGQSAKNQAVT
 NVDR TIRSVKRHIGTDWSVAIDDKNYTSQEISARTLMKLKRDAEAYLGEDVTDVITVPA
 YFEDSQRQATKEAGQIAGLNVLRIVNEPTAAALAYGLEKGEQEQTILVFDLGGGTFDVS
 LEIGDGVVEVRATSGDNELGGDDWDQRIVDWLVEKFQSSNGIDLTKDKMALQRLREAAEK
 AKIELSSSSQSANINLPYITVDADKNPLFLDETLSRAEFQRIQTDLARTKTPFNQVVKDA
 GVSVSEIDHVVVLVGSTRMPAVTELVKELTGGREPKNKGVNPDEVVAVGAALQAGVLRGEV
 KDVLLLDVTPLSLGIETKGGVMTKLIERNTTIPTKRSETFTTAEDNQPSVQIQVFQGERE
 IATANKLLGSFELGGIAPAPRGVPQIEVTFDIDANGIVHVTAKDKGTGKENTITIQDGS
 LSQDEIDRM IKDAEAHADEDKKRREEQEVNRNAESLVYQTRKFVEENSEKVS EDLKAKVE
 EAAKGVEEALKGEDLEAIKAAVEKLNTESQEMGKAIYEADAAAGATQADAGAEGAADDNV
 VDAEVVEDDAADNGEDKK

>RXN02651 TRANSLATE of: rxn02651.seq check: 4052 from: 1 to: 930
 MNNRQSRTLVPPEGLAGMRVDAALSKLLGISRTVAAELATAGDVSVDGAVVGKSERLVAD
 SMLDVLLPEPAAPLMPKEEIVPGLDILYSDDDVIAVNKPVGVAHPTVGWEGPTTVGGGLA
 AAGFRISTSGPPERKGIVQRLDVGTS GVMVVAASERGYTVLKRAFRDRTVDKTYHALVQG
 HPDPLTGTIEAPIGRHPSAGWRFAVTTEGKHAVTHYETLEAFQEATLLKIHLETGRTHQI
 RVHFSALHHPCCGDPMYGSDPALSERLGLNRQWLHAVSLGFNHPADGRWMEIVSPYPTDL
 QHALDVLRQ

>RXN02732 TRANSLATE of: rxn02732.seq check: 432 from: 1 to: 441

QLLPMALAVTCRIRLPAKRKA

>RXN02989 TRANSLATE of: rxn02989.seq check: 5945 from: 1 to: 1140
 MAPKKTATKATAAKGNDRQKALDAALALIEKDFGKGAVMRLGDENRPPIQTISSGNTAID
 IALGIGGFPRGRIVEVYGPESSGKTTVALHAIQAQKAGGIAAFIDAHEHALDPDYARKLG
 VDTDALLVSQPDGTGEQALEIADMLVRSGAIDIIVIDSVAALTPKAEIEGEMGDSHVGLQA
 RLMSQALRKMTGALYNSGTTAIFINQLREKIGVMFGSPETTTGGKALKFYASVRCDIRRI
 QTLKDGQDAIGNRTRLKVVKNKVSPFFKIAEFDIMYEGEGISRESSVIDLAVDNGIVKKS
 SWFTYEGEQIQGQKEKVRSLKENPELTDELEDKIFKKLGVGKYAAASDELTDPPVELVP
 NVDFDDEADTEADTEADAED

>RXN03033 TRANSLATE of: rxn03033.seq check: 9071 from: 1 to: 1158
 VDEQRAFDQGLKEENTLITDLTTCARLSHNKALRLIKLSKSTAYYRNKPRPRPAPKPVQ
 AVPAPTAPGVEPTPEPWQKKEPAVSSVRQALAEHERQFIVDAITAYPQLSVSGVFNMLFN
 KGIYRASLRTWWRVAKQHKLHKDRVSALSPGKRSPTPRVKPRLEATQPGQVVCWDVTF
 PSLVRGKTYALHLAIDLFSRKIVGAKVAPTENTSTAVELLTQVLADNPGVVTVHSDNGSA
 MTSTRVRRLLADHGVALSLIRPRVSDDNFVSVFHTLKYRPFYFASMDQARVWVEE
 FVVYYNTVHPHSGVAGHTPQSVFDGWSRAAHLRVQALDAHYRQFPQRYVGRPVVQEVAG
 VVRLNGARDDGSGVQERVGGVASLLSA

>RXN03035 TRANSLATE of: rxn03035.seq check: 9071 from: 1 to: 1158
 VDEQRAFDQGLKEENTLITDLTTCARLSHNKALRLIKLSKSTAYYRNKPRPRPAPKPVQ
 AVPAPTAPGVEPTPEPWQKKEPAVSSVRQALAEHERQFIVDAITAYPQLSVSGVFNMLFN
 KGIYRASLRTWWRVAKQHKLHKDRVSALSPGKRSPTPRVKPRLEATQPGQVVCWDVTF
 PSLVRGKTYALHLAIDLFSRKIVGAKVAPTENTSTAVELLTQVLADNPGVVTVHSDNGSA
 MTSTRVRRLLADHGVALSLIRPRVSDDNFVSVFHTLKYRPFYFASMDQARVWVEE
 FVVYYNTVHPHSGVAGHTPQSVFDGWSRAAHLRVQALDAHYRQFPQRYVGRPVVQEVAG
 VVRLNGARDDGSGVQERVGGVASLLSA

>RXN03038 TRANSLATE of: rxn03038.seq check: 812 from: 1 to: 726
 MHSKEELTVRKGISRVLSVAVASSIGFGTVLTGTGIAAAQDSAFDYGMDPNMNYNPIDDI
 KDRPEGLSNLPYFGSKLTSWGSSYATASSGVVTSALPQYTDPRYPLGKDDLPKATIDMEP
 EVLARLERFVGVGDGDRIRQINAYSPSMGRTIPLVWVVPEDNTVPGPTVYALGGGQGGQGG
 QNWVTRTDLEELTSDNNINLIMPMLGSFSFYSDWARESQSMGCAQQWETLLMHHELPEPLV
 AA

>RXN03039 TRANSLATE of: rxn03039.seq check: 1469 from: 1 to: 630
 ALPQYTDPRYPLGKDDLPKATIDMEPEALARLERFVGVGDGDRIRQINAYSPSMGRTIPLV
 WVVPEDNTVPGPTVYALGGGQGGQGGQNWVTRTDLEELTSENINLIMPMLGSFSFYADW
 AGESESMGGAQQWETFLMHHELPELEAAIGADGQRSIVGMSMSGGSVLNFATHDPNFIYSS
 VGSFSGCAETNSWMGRWRHSHCLQRQCRA

>RXN03040 TRANSLATE of: rxn03040.seq check: 6898 from: 1 to: 309
 MSXGDNAPIDEDAFKNRVLVGFIEAMSNTCTHNLKAATDQMGIDNINYDFRPTGTHAWD
 YWNEALHRFFPLMMQGFGLDGGPIPIYNPNVGTSSSESSXRTVF

>RXN03049 TRANSLATE of: rxn03049.seq check: 1664 from: 1 to: 942
 MVHMFVFGDMNTDRAAQAYIIVITTIVMVVLFWIVLRYWSLADRARAQRFTASITEIGRKI
 FLNRLRPRMSRQNTYTDKDISQFHWTNGLPPTDDESPEWIAARDNEWEGYTITLGGDPNG
 TEKTITLDDLRELPOQTSYVAVHTCMQGSATARWTGVRRLDVLCHDLVHTLDLHHRHSPR
 LLTIEIIPKPLPPETRCKIIDFDLFAPNSPSIEEFCSRLKISRRSFYNIRNRYQQDASAA
 LHPRSSAQITSRRTYDESITSILLAIRAPPESPRMGXRDXLYXIRRHXRGRGTDCTDSIRL
 NYRLLVTRCRSSRK

>RXN03051 TRANSLATE of: rxn03051.seq check: 1794 from: 1 to: 735
 MRSDVIELPEGVSKEKADQLEVAEARLNEGARLMATTGCEVMWPTGFSVCGRILDYRQV
 GGQLSWLGPCKSNELTNPDGVGKRSEFFGGAIYWHPTGAYAVTLDGLRQWGTLNWESGP
 LGYPTSGPMDTNYPLTQRTQFQGGDNYYNPLTGGAVWGDIKQRYEELGGSNHAIGIPITN
 ELPSGTEYFYNNFSNGTISWRNDRQTRFMYLATQRVWDALGRETGRGFGPEADETPEVSG
 LFHVA

>RXN03052 TRANSLATE of: rxn03052.seq check: 566 from: 1 to: 756
 MPFSDHDKSELGGETPYGLVHVNPMAEVRPVKAQTNEPQALQVADIQPFHAVIAASKQLTL
 IDVVDVCLGTVLRAWELSLRWVDVLDDEHPRIFIRGTIVYNKEKGNHRQDKTKTTSSR
 RVIQLPEIASDVLRRHALYAEHLEMVFPARGTYIYESNFKLLRKHRRGTAYDWVTVH
 SIRKTLASIVSENLDKAASDVLGHADSRLTERVYIAKTDKDVPIGDVVNQALKEARKVS
 KKSPNKEAKEEE

>RXN03054 TRANSLATE of: rxn03054.seq check: 8742 from: 1 to: 1581
 MKLFSKAAGVIAAALLVAGGIAPVAQGGASQVVTPEQDAYVQQFHHEGNTPPVVDGVGG
 YTEQEIAEIEHEAIRQAQESGAPNEELIPGEMWSDKVELPVTIDKAAADEAEIAIAQQQSQ
 PQTRGLAAAAACQTFWPSPHQVCGAILERYIQGAQFGWMLFPSEGQTLNPDGQGYRQRF
 MNGFVYWHPTTGAHAVNNYSAQVWERNGWESGWMGYPTGGEVPVNGSNPIDGELSGWVQT
 FQGGRVYRSPVLDFQVASINGLILDKWLELGGPDSDLGFPIADEAVTADGVGRFSVFQN
 GVVYWHQPQHGAPILGNIYSIWREEGAESGEFGYPIDPEKYTENMANQVFEKGELAANL
 YPNPLEAFIEFLPFANLEEAIEYFENGLSNSRVEANSLNAKKDSIQCSQSANIHVRTKS
 DGVGIRVPKIGFKARMDCDLPGTVSDVVGYGWIYYDYWGRWAQAAAYAQQFFGNRNSVVQT
 NLEAGCSGEKNTLFWGTSYFQVITYEGQPYFGQSATNYAYLPCTIDRS

>RXN03069 TRANSLATE of: rxn03069.seq check: 6008 from: 1 to: 1083
 MHEGRRYSAPYTFGKGEAQEFLASERTAIINGTWDMDFEMRERFEQAQREAEERMETFF
 SYASRWIETRTNAQGGKLSQGVKDDYFRIYKSDRLSYWADYALCEITVADVREWYSDTIQ
 DGKLTSMARSYSMMKSMVETAVEDGIIIPMNPKVVRGGGNTKTGKKVDVPTDAELEAIIGA
 LPSKYFCLAIVAAAGALRFEIIVALRTTDDVYFDRSGFVDCVRIRISRSIRHTRYHGRV
 EGPPKTEAGVRSLYIYGKDAEIAKHVDITDVLRLWSSMRDPDEPMPYHTFKHNWDRAR
 ESVHSKATVHSMRHYSGTKYAQVGATLKEVMARLGHSTPSAALRYQHSGERDEELAKRMA
 R

>RXN03070 TRANSLATE of: rxn03070.seq check: 3372 from: 1 to: 828
 VPALPSSIIDPLWRQFSALIPPVITHPLGCHRARIADRIIVDKLIAVLVLGVSYIKISD
 STCSATTIRTRRDEWITAGIFKNLEQICLESYDRFIGLDLENLNVGDCIVKAPCGGEVAG
 RFPVDREKGTKRSLMVDGHGPIGCVVAGANRHDLPPLAATLDTLGRFGGSLPDQITVHL
 DAGYDSKKTRRLSEFGYSWVISIKGEPLQAGTRWVVERTNSWHNRGFKKLSICTERCTR
 VVEAFIALANAVIILRRLIKQAWTSYRWDTRPGHRP

>RXN03078 TRANSLATE of: rxn03078.seq check: 5588 from: 1 to: 480
 MTTQDKDLTAQTASRVLSGIQPTADSYHLGNYLGAVKQWIDLQDSYDAFYFIPDLHAITV
 DQEPEELNRNTISGAAQLLALGIDPERSTLFVQSHVPAHAELSWVLTCLTGFGGEASRMTQ
 FKDKSSKRGADRTSAGLFTYPMLMAADILLYRPHLVPVGE

>RXN03102 TRANSLATE of: rxn03102.seq check: 7509 from: 1 to: 492
 VVELLKSRRGETLAFCESLTAGLASATIAEIPGASVVLKGGGLVTYATELKVALAGVPQELI
 DAHGTVVSPQCARAMATGAHRCQADWAVSLTGAVGSPSKQDGHVPVGEVWIGVAGPAHFGAS
 GTIDAYRAFESEQQVILAEELGRHHIRESAVQQSFRLIDHIESQ

>RXN03118 TRANSLATE of: rxn03118.seq check: 5261 from: 1 to: 810
 MKPTVNVVFNAAHHPKDTQPLDKFFDKELKDTTHLDITVGYISEKSLQYLLLIAGTYPDLT
 ITLTGCMHAREGMTAAQLHHARVLHDYLSHDHRRGGVFVPIRLRYHGKIYLFHKNQHTDPI
 AYIGSANLSAIVPGYTSTFEPGVILDPAPEDLVHLNRDVVPLCVPIDTAHVPIIKDQES
 PMKHVAEATAVSTSDVVAIMSSPFTYSFDLKLKATASSNLNAHNSGGGARKQKNGSFLAR
 NWYEGEIIVGVEITRLPGYPQNKSEFTAGH

>RXN03121 TRANSLATE of: rxn03121.seq check: 5077 from: 1 to: 642
 MHHEQPEGCEVGIRRTIPEESRTAFLDMINQGMGLAASAVGVSEFTGRKWAKAAGVKL
 TRGPRGGNAFDTAEKLEIAASMLEKGCLPREIGEYVGMTRANISLWRKQGPDKLRQRAAT
 LRTGKRAAEFIHAPVMGPYYGPRTLHQVLREDYTTLFDLSALGLPAQVCGALLHLAPPP
 SLRFSYMSCVVPLFADEIKIVGQGTLSLEEKMM

>RXN03130 TRANSLATE of: rxn03130.seq check: 2332 from: 1 to: 1308
 MKSTGNIIADTICRTAELGLTITGASDAGDYTLIEADALDYTSTCPECSQPGVFRHHTHR

09602339 062300

MLIDLPIVGFPTKLFIRLPRYKCTNPTCKQKYFQAEELSCADHGKKVTHRVTRWILQRLAI
DRMSVHATAKALGLGWDLTCLALDMCRELVYNDPHHLDGVYVIGVDEHKWSHNRKXGHD
GFVTVIVDMTGHRYSRCPARLLDVVPGRSADALRSWLGSERGEFRNQIRIVSMDGFQGY
ATASKELIPSAARRVMDPFHVRLAGDKLTACRQRLQREKYQRRGLSQDPLYKNRKTLLTT
HKWLSPROQESLEQLWAYDKDYGALKLAWLAYQAIIDCYQMGNKREAKKMRITIIDQLRV
LKGPENKELAQGLRSFLKRLGDVLAIFDVGVSNPVEAINGRLEHLRGIALGFRNLNHYIL
RCLIHSGQLVHKINAL

>RXN03161 TRANSLATE of: rxn03161.seq check: 570 from: 1 to: 384
MGIFSGRQFPREIILWAVRWYCRYGVSYRDLEEMMTERGVVDHTTIYRWVQKYAPELTK
KTRWYRQVPDQARSWRVDETYIRVGGKWCYLYRAITAGSQTLDFYLSPKRNVAAAKRFL
AKTLRSNN

>RXN03165 TRANSLATE of: rxn03165.seq check: 3775 from: 1 to: 321
MGNLPQALRHSFTWDQGVQMAEHARLSVVTKCPVFFCDPHSPWQSGSNENTNGLVRDFFP
KGTNFAKVSDEEVQRAQDMLNYPKMHGFKSATQVYEIIVVGASTD

>RXN03168 TRANSLATE of: rxn03168.seq check: 4805 from: 1 to: 1083
MSTRTPQDRYTDEYGIERNKDEPGLVDKLRDKHDFDHLMRMNERFGAKGGNQLSAGI
TYFSVLSIFPIAMLVFGIAGVILAGNPEVLTDIQNRINDALEGEIGNTVNGIIDSIAIQR
GAVLGIGGVTALWSGLGWMANLRFVSRMWAIDPTEGNFIQKKLTDLVALIVLLAMGVA
FGITALGASGLTKNLLDFVGLGEIPGISYITWVVAALVGVLANFLVFMWLIFSLPRTKVP
MKPGLQAALLGAIGFEVVKQVGSLLASNALSNPAGAAFGPIIGIMVVLYLIWRILMYCSA
WAATSEALRLATVPAPEPAIIRVRHEIDPGEVVSQARKVIGVAVGAATAGAFALLRK
K

>RXN03169 TRANSLATE of: rxn03169.seq check: 5370 from: 1 to: 438
DLQNPTAKMSKSGDNPKGIINLLDDPKVSTKRIKSAVTDNDGVIAYPDENKPGVSNLLVI
QSALTGTSIDSLVDGYQGAGYGALKGDTADALEAFTTPLKAKYDEYMNDRGELERVLAI
AERATEVANETLADVDYDKIGFLASRR

>RXS00061 TRANSLATE of: RXS00061.seq check: 8093 from: 1 to: 2667
VTEKTDQTLMLIDGHSMFAFFALPAENFSTSGGQATNAVYGFSLMLSTLLKDEQPTHVAVAFDVGRK
TFRDMPFAYKAQREATPPEFKQVEILKEVLSTLGITTIEKIDFEADDVIATLSVAAKPLGFKTLIVT
GDRDSFQLVNDTTTTVLYPMKGVSVLHRFTPEAVEEKYGLTPRQYPEFAALRGDPSDNLNIPGVGEKTA
TKWIAQYETLDNLLDHADEIKGKVGASLRERIEQVRMNRKLTENVKDELEPLGPDDEFMKPVQVAEVAA
KFDDLEFGTNLRERVLAVVKAEGSAAPVEEVEAEQVVVDTSQSLAQWLPARAGQALALAGVAKPAAGD
TYALAIADTKRHAVLVDVADISADEKALATWLASEDPKMLHGAKAAHYHMLAGRGFELHGVVHDTAIAA
YLLRPGQRTYELADVYQRHLQRLSTNDNGGQLTLLDAADDQSLVDDVIAILELSEELTKQLQEIQAFE
LYHDLLEIPLSGILARMEAGIAVDVATLEEQLKTFIGQVAQEEEAARELAEDPTLNLSSPKQLQVVLFE
TFGMPKTKKTKTGYSTAAAEIEALAIKNPHFLDHLHARQYQKMKTTLEGLIREVAPDGRIHTTFNQ
VASTKNSSTDPNLQNIIPVRTEAGRKIRSGFVVGEGYETLLTADYSQIEMRMVMAHLSQDPGLIEAYREG
EDLHNYVGSKFVFNVPIDGVTPELRRQVKAMSYGLVYGLSAFGLSQQLSIPAGEAKQIMESYFERFGGVQ
RYLREIVEEARKAGYTETLFGRRRYLPELTSNVRVARENAERAALNAPIQGTAAADIIKVAMIRVDRSLK
EAAVKSRVLLQVHDELVVEVAAGELEQVREILEREMDNAIKLSVPLEVSAGDGVNWDAAA

>RXS00076 TRANSLATE of: RXS00076.seq check: 5232 from: 1 to: 1371
MTTPLRVAVIGAGPAGIYASDLLIRNEEREVEFVDFEQMPAPFGLIRYGVAPDHPRIKIVKSLHNVLD
KPLRLLLGNIEIGKIDITVEELRDYDVAVFSTGAVADRDLNIPGIEAGSFGAGEFVGFDGNPRFERS
WDLAQSVAVIGVGNVGLDVARILAKTGDELKVTEISDNVYDSLKENKATEVHVFGRRGPAQVKFTPQE
LKELDHSPITINVVDPEDIDYDGASEEARRASKSQDLVCQILEQYAIREPDKAPHTLQIHLFENPVEVL
QKDGKVVGLRTERTSLDGNGGVNGTGEFKDWPVQAVYRAVGYSKSDPIDGVPFDENKHVPIPDGGHVLTA
PGAEPVPGLYATGWIKRGPIGLIGNTKSDAKETTDILIKDAVAGVLEAPKHQGEAAIIELLDSRNIPFT
TWEGWYKLDAAERALGEAEGRRKKIVDWEEMVRQAREAPAI

>RXS00170 TRANSLATE of: RXS00170.seq check: 511 from: 1 to: 1854
MLLAIGVASPVAQAQVEDQFELVKEISDEQFADDGVDYVPNRNAPTVEQLEDFESAHPEVVIEYHEHV
NDSKRDVEELPLPKRDIVAGEMRSDVIELPEGVSKDEADQVEVAEARLNEGARLMAATGCEAMWPTGFS
VCKRILDAYRQVGGQLSWLGPCKSNELTNPDGVGKRSEFVGGAIIYWHPTGAYAVTLDGLRQWGTLNWE
SGPLGYPTSGPMDTNYPLTQRQTFQGGDNYNPLTGGAVWGDIKQRYEELGGSNHAIGIPITNELPSGT

EYFYNNFFNGTISWRNDRQTRFMYLATQRVWDALGRETGR LGFPEADETPEVSGLFHVVNFAERGVIW
NGILGARELYGDVYSLWLQYQNTDTP LGWPISLTS LNESLEQEFTRGVVLGSGDALTWIPDDEERSLE
DFLPIGSSGSSSSSQEMTLFSQRAQYVDCKNLPDLDEQRKTENNIEKNGGPIKKEYSSRGFPTEFRFVV
RKGHYDRYRNEGWG YLKNYCKHNFANHAMAEAVVDKAVIDYGSSPGTSYKFEKTVYFLDCRTYTFNKN
SGCKEMHAPQWVTI IYNPHTFTGANSNRPKGVISAWCNSTPPGGIEHEPEISQCPDHVNLNKLRI

>RXS00212 TRANSLATE of: RXS00212.seq check: 8164 from: 1 to: 1560
MNILCLLCWKFAVRCSSLWRISQEVNAQRIADGGKPFANPRNAAAGSLRQKNIEDVKRRRLRMISHGIG
FTEGFSPASQHDAYLALAAWGLPTSPYTEAVTDPEDVVKVSYWADHRHDALHEMDGLVIKVDDIASQR
ALGSTSRAPRWAIAYKYPPEEVTTKLLDIQVGVGRTRGRTPFVMEPVLVAGSTVSMATLHNQSEVKRK
GVLIGDVTVIRKAGEVIPEVLGPVVELRDGTEREYIFPTLCPEGTRLAPAKADDVDWRCPNMQSCPGQ
LSTRLTYLARGAFDIEALGEKGAEDLIRTGILLDESGLFDLTEDDLLSSNVYTTNAGKVNASGKKLLD
NLQKSKQTDLWRVLVALSIRHVGPAAALAGRYHSIQALIDAPLEELSETDGVGTIIAQSFKDWFEVD
WHKAIVDKWAAGVTMEEEVGEVAEQTLEGLTIVVTGGLEGFTRDSVKEAII SRGGKASGSVSKKTDYV
VIGENAGSKATKAEELGLRILDEAGFVRLNLTGSADE

>RXS00213 TRANSLATE of: RXS00213.seq check: 5673 from: 1 to: 573
VTEDNAQLRRTWNDLAEKVRYHRDRYNEQPEIPDADFALFKQLQQLLEEDHPELAVPDSPTMVVGAPV
AEQSSFDNVEHLERMLSLDNVFEQELRDWLGRTPAKQYLTELKIDGLSIDLVYRNGQLERAATRGDGR
VGEDITANARVIEDIPHQLQGTDEYPPAVLEIRGEVFITVEDFPGGQRAAHC

>RXS00671 TRANSLATE of: RXS00671.seq check: 9925 from: 1 to: 1014
MLISQRPTITEEFVNNARSFVIEPLEPGFGYTLGNLRLTLSSIPGAAVTSVKIDGVLHEFTTISGV
KEDVSDIILNIKGLVLSSDSDEPVVMQLVKEGPGVVTAGDIQPPAGVEIHNPDHLIATLNETAKIEIEL
IVERGRGYVPATVTATGGEIGRIPVDQIYSPVLKVS YKVEATRVEQRTDFDKLVIDVETKNSITARDAL
ASAGKTLVELFGLARELNIAAEGIEIGPSPQETEYIAAYSMPIEDLDFSVRSYNCLKREDIHTVGE LAE
RAESDLLDIRNFGQKSINEVKIKLAGLGLTLKDAPEDFDPSTLEGYDAETGGYIDVEAEDSE

>RXS00724 TRANSLATE of: RXS00724.seq check: 5366 from: 1 to: 1977
VGIGDATEGLVTIVGQVAFAKQSYTQSGKMLYKVTVLTETERIGISFFGAKHIPRLLPEGTRALFTGK
VKFFRNEPQLSHPEFIVIPDPGSGRRLTATGGMKSLAAYGDVEEVALRLVDREYIPIYAGTATMTTWRI
MAAVQVRVLETPVIKEPLSVVPEGMPSPFDEAIRGIHDPGHESPSTFINRLKYNEALSLATVMAIRRADT
KNRKAPPMPRALKGHQHMLIDALNFQLTVGQKQVIREISADIEQRPVMSRLLQGEVSGKTIVSLIAML
QAIDSGRQCAMLAPTEVLATQHARSLSKTLDDAGLDINVVLLTGSMPTGAKKEALLEIISGDADIVVGT
HALIQDTVEFFDLGLVVVDEQHRFGVEQRDQLRTKGREGLTPHLLVMTATPIPTIAMTVFGDLAVSTL
RELPGGRRPIQTSVIPDHKPGWVKRGWERIGEEVLAGRQAYVVCPRIEGEGGVLEI HAYLSEQVYPGLN
VGMLHGRMDTDLKDSVMQEF AQGEIDILVATTVIEVGIDVANATVMLIREAERFGVSQIHLRGRVGRG
QHDSLCLLHTTFDEDS PQGQRLAAISTTTDGFQLSELDLQVRQEGDVLGTRQSGSDTKLRHLSFISDQK
IIERALIDATELVAASRSRALELVSDIAMINQEYLEKS

>RXS00823 TRANSLATE of: RXS00823.seq check: 2648 from: 1 to: 780
MGSITPQKRPRVGS HIANKGQETDIGRKRARRINRTLTVAYPDACELDFTNPLELTVATILSAQCTD
VRVNQVTPALFKRYPTATDYANADRTELEEFIRPTGFYRNKATSLIGLGEALISLHDGQVPGTLEQLVE
LPGVGRKTANVVLGNAFGVPGITVDTHFGRLVRRLKLTDEEDPVKVEKVMNELLIEKPEWTMFSHRLIFH
GRRICHSRRAACGACMLAADCPSPFGLGSPDPFEAQKLIKSDREHLLKMAGM

>RXS00898 TRANSLATE of: RXS00898.seq check: 9031 from: 1 to: 789
MRIVNWNVNSARTRVDRMVDFLLRHDVDVLAVQETKCKDEQFPTEFTEIGYEVAFHGLNQWNGVAIIS
RVGIENVETHFPAQPGFNKDITKEQSIEARAIGARCGGVQVWSLYVPNGREIADPHYDYKLRWLFSLRN
YVIDTLEYRPEEKLVLGDFNIAPTIDVDWDIAAFEGKTHVTEPERAAFDGLIEAGLKETTPGPGTYTY
WDYKGARFLKGEGRIDFQLASPALAATAGETFPDVEERSGTGASDHAPVIVDYKV
RXS00898 - 5'-Region

>RXS01066 TRANSLATE of: RXS01066.seq check: 7389 from: 1 to: 726
MRRDSFRDRALVVKTYDFGEADRIIVLLTRDHGIVRGVAKGVRRSKSRFGSRLQLFVELDVQLYPGRKL
STISGADTVGYASYGIIEDFTRYSCASAILEIATHIAGLENDPHLFEETTRALKNIQDSPEPILNLDEF
MLRAMNHAGWAPSLFDCAACGRPGPHNAFHPGVGGAVCLYCRPPGSAEVPPEALHMMWLAVANGQAARIP
REHPEQQTTHQLTTAHLQWHIERKLPTLAVLDQA

>RXS01277 TRANSLATE of: RXS01277.seq check: 992 from: 1 to: 2004

MTDYTFLEDIDTPEALAWAEKWSGESVEKLKSPAKDALEARLLAALDIDDRIAYVSRERGEKLYNFWRDA
QHPRGVWRTTTLTLESYESDQPEWDVLIDVDALAEDEGENWVWKGAVVRSPEFDRALVKFSRGADATVIR
EFDLATAAFVDDSPFELKEAKSDVTWVDLDTLLVGTDTGEGSLTDSGYPARVLTWKRGTPLEQAEFFFE
GSRQDVATHAWRDSTPGFERTFVSRSLDFYNSETSLETEGGLVKLDVPTDCDVIVKKQWIFVSPRTDFA
GIPAGGLGVLLLEKEFLEGGDFQPVFTPTTESTSLQGLATTKNFLVLTLLNNVSTEIVTVPLNDPTTEHE
HIDLPEHVTAHVVATSPLDGDDEIWWQAASFTAPTLLRAELPGALEAVKKAPLOFENAGQETROHWATS
ADGTKIPYFITGAFEEEPQNTLVHAYGGFEVSLTPSHSPTRGIAWLEKGYFFVEANLRGGGEFGPEWHS
QATKLNRMKVWEDHRAVLADLVERGYATPEQIAIRGGSNGGLTSGALTQYPEAFGAAVVQVPLADMLR
YHTWSAGASWMAEYGNPDDPEERAVIEQYSPVQAVVGVEKRIYPPALVTTSTRDDRVHPAHARLFAQAL
LDAGQAVDYENTEGGHAGAADNKQTAFVESLIYTWIEKTLDDQQGSI

>RXS01438 TRANSLATE of: RXS01438.seq check: 6554 from: 1 to: 1365
MSRPLRVAVVGAGPAGIYASDLLMKSDTDVQIDLFERMPAPFGLIRYGVAPDHPRIKGIKSLHNVMDK
EQLRFLGNIEVGKDIITVEELREFYDAIVFSTGATGDQLRVPGSDLEGSWGAGEFVGFYDGNPNFERNW
DLSAEKVAVVGNGVALDVARILAKTGDELLVTEIPDNVYESLAKNQAKEVHVFGRRGPAQAKFTPLEL
KELDHSDTIEIVNPEDIDYDAASEQARRDSKSDQLVCQTLESYAMRDPKGAPHKLFIFHFFESPVEILG
EDGKVVLKTERTQLDGNNGVGTGTEFKTWMQSVYRAVGYRSDAIEGVFPDDERAVVPNDGGHIIDPE
VGSPTITGLYATGWIKRGPGLIGNTKSDAKETTEMILLADHAAGSLPAPAKPELESIIIEFLDERKVAFTT
WDGWHLLDAAERALGEPEGRERKKIVEWNDMVRHARPEYDI

>RXS02145 TRANSLATE of: RXS02145.seq check: 3306 from: 1 to: 1617
MSLATVGNLLDSRYTMASGIRREQINKVFPTHWSFMLGEIALYSFIVLLLTGVYLTFFDPSITKVIYDG
GYLPLNGVEMSRAYATALDISFEVRGGLFIRQMHWAALLFVVSMLVHMLRIFFTGAFFRPREANWIIG
VVLIIILGMAEGFMGYSLPDDLLSGVGLRIMSIIIVGLPIIGTWMHWLIFGGDFPSDMLDRFYIAHVLI
IPAILLGLIAAHLALVWYQKHTQFPAGARTENNVIGIRIMPLFAVKAVAFGLIVFGFLALLAGVTTINA
IWNLGPYNPSQVSAGSQPDVYMLWTDGAARVMPAWELYLGNYTIPAVFWVAVMLGILVLLLVTPFIER
KFTGDDAHHNLLQRPRDVPVRTSLGVMALVFYILLTVSGGNDVYAMQFHVSLNMTWIGRIGLIVGPAI
AYFITYRLCIGLQSRDREVLEHGIETGIIKQMPNGAFIEVHQPLGPVDDHGHPIPLPYAGAAVPMQMNQ
LGYAEVETRGGFFGPDPEDIRAKAKEIEHANHIEEANTLRALNEANIERDKNEGKN

>RXS02308 TRANSLATE of: RXS02308.seq check: 247 from: 1 to: 429
MSETQSNVSASVMPAQLPPGPAERTVYSYGVRAQDVHILRMEAFDSDANIVGERDIEAHAEQVFNKQ
AVIHEAGGTINNIVSTTTYLADVTDAPVVNAARSRYFTGEVLPHTTVIGVAALARPQFLVEISAVAYLG
DLSKD

>RXS02476 TRANSLATE of: RXS02476.seq check: from: 1 to: 879
MSFTAQTALLVWFRANARDLAWRDPNTSAWGILLSEVMSQQTPVARVEPIWREWMEKWPTPEDFANAS
TDEILRSWGKLGYPRLRLKECAEVIVEKHAGEVPDTEALLALPGIGDYTARAVAAAFHFGQRPVVD
TNVRRVYQRAVAGRYLAGPAKKQELIDVSLLLPNTHAPEFSAAIMELGALICTATSPKCDTCPLLDQCQ
WQKLGCPSPSEELASAKKRVQKFVGTDRQVRGLIMDVLRNATAPVPLSAIDVVPDDAQRSRALFSLI
EDGLAEQNEAGYFHLPR

>RXS02641 TRANSLATE of: RXS02641.seq check: 9341 from: 1 to: 2076
MLAIILTAVLGASGLAAAGTQYLNTQGEIGIPVAVQNDSESFNSGTNVVVEDAAVTAQGEGGGARTVKE
FQRDQFSSFALTWTGKKDITAFVRAEQEDGTWSQWYDLEPMVNEDQGTNGTELIWHGPTNKIQVSTLN
VDLFGADAAAADENGQDIPAVDAAEAAPAAEPAPAEAPVEEAPAPVAEPAPAAEPIAEPVADYSANDGL
APLPSNYGDIQPVADVDDGLNAVFIIDGNADAGVGIANVADTDGMPKVISRAGWGADESRLCSNPTIDDG
VSAITIHHTAGSNNTYEAQAAAQVRSAYSIAHAKNLGWCIDIGYQSLVDKYGNIEYGRAGGMTNAVQGAHA
GGFNQNTWAIISMIGDYSYNAPPQETINAVGELAGWRKAVAGFDPTGTDTHYSEGTSAKYSYGTNRVSLP
NILAHNRVGLTACPGDAGYAQMENIRQIVKAKYTSLQNGNTGGTTTTTPATTPKETSTSNAPSTTTAQLV
TPAEPQQYSESALAAALLTGSSGGTDLLNGANSEQLLTGLGSIAAVLIAASLADGGLNGLISNVGSNN
GVPVLGDIKIDVPIVDTAINTLTDGNKYSRGWNDLNTLGPVLGAATGGETTVKYTSDQNSEVTFVPF
ENGIMVSSPEAGTHGLWGAIGDAWAQQGADLGLPLPTSNEYTVGEQLRVDFQNGYITYDSATGQASIQ
LN

>RXS02650 TRANSLATE of: RXS02650.seq check: 3610 from: 1 to: 579
MVNVTSKDGANVTPMSKKEKRTTVKQVVALMAAIVVVIASLDQIVKQIMLSWLEPGVPVPIIGDWFRF
YLLFNPGAAFSMGGENSTWIFTTIQLSFVIGIAIYAPRIKHKWIAAGLALVAGGALGNVLDRLFRDPSP
FFGHVVYDISVGNFAVFNIADASISCGVVVFLIGMFLEDRENAQHAKATDEKDEA

>RXS02760 TRANSLATE of: RXS02760.seq check: 4279 from: 1 to: 954

MSDENINEFEQDEDLNFGASFSDDEFADDDFDAEADVEADAAAEEASALEAEQDLEEETLDAPEEAAEEAP
 AAASEAPVEEEDSLAQAAAALGDTDEQDADA EYKARLRKFTRELKKQPGVWYIIQCYSYENKVK
 ANLDMRAQTLEVEDDIFEVVPVIEQVTEIRDGKRKLVRKLLPGYVLRMDMNDRVWSVVRDTPGVTSF
 VGNEGNATPVKHRDVAKFLMPQEQAVVTGEAAAAAEEGEQVAMPTDTKKPQVAVDFTVGEAVTILTGA
 FASVSATISSIDPELQKLEVLVSIFGRETPVDLSFDQVEKVS

>RXS02830 TRANSLATE of: RXS02830.seq check: 565 from: 1 to: 648
 RRLEDLSLGVSLFERAGRGLALTGAGDQLLSQARRLIALNDEVYARLNAGAYEGEVTLGVPQDVIPVIP
 RVLQQFARDFPRVQIHLISNFTLMLKEQFRRGEIDVMLTTEDELGEGGETLAQRELIWVGAPGGSATWR
 RPLPLAFERACIFRSFVQRRLDANSIDWQMVVSSESTRTIEATVSADLAVHTYIEGAEPALHERIATTA
 PCRNYYVFQH

>RXS02990 TRANSLATE of: RXS02990.seq check: 3521 from: 1 to: 597
 MDIQAEKIEKLRKALDNFERAHARGESDFFDHEKEEKKANVRRRALLLNQRARSVNELSTRLKALEFE
 EDIINEVIGDLTRSKLLDDEVFATEWVRQRAARRGKSSRALDRELQEKGVDKQTRAAALEQIDQADERD
 TARAVAVKKARSETKIPQDRADYDKALRRVVGALARRGFAPAGMSMDLAREALDARIEDLKN
 RXS02990 - 5'-Region
 GAAGACTAAGCACCAGTTTAAACAAAGCAGGGACAATCCACACACTTAAACCATGATGTGGCTTGTTC
 TGCTTTTTTCGTCAACGAAGGGCAACAACGCG

>RXS03098 TRANSLATE of: RXS03098.seq check: 3946 from: 1 to: 624
 MPTTDFVNRVRLALEPLADPARATGMASYMRDQFSFLGIPSTPRKEACKPVLSALKELDTDFVSDCFGA
 AEREYQYVACDHINRVGITDLGFAKALVQTKSWWDTVDSLAKPIGAKHDDDLMTWALDEDFWVRIAI
 IHQLGRKKNTDAALLAWIIEQNLGSSEFFINKAIGWALRDFARHDPWSVRAFVDATDLSPLSRREALKN
 I

>RXS03175 TRANSLATE of: RXS03175.seq check: 2273 from: 1 to: 783
 VRASEKDTATALQPALDNGWHYIGAPAAAKGRAGVGILSRHELEDVNIGFGSFLDSGRYIEATIKDTTL
 DVPVTVASLYLPSGSAGTDKQDEKYRFLDEFEGFLDQRAKERSHVMIGGDWNICHRREDLKNWKTNQKK
 SGFLPDERAFMDSVFGTFPDEATQVAGAGDFFGAVDYEGRTRREATTDPWFVDVARRLQPEGDGPYTWW
 TYRGKAFDTGAGWRIDYQAATAAMLERASWVDKAAAYDLRWSHSPNLNVIYS

>RXS03207 TRANSLATE of: RXS03207.seq check: 2273 from: 1 to: 783
 MTAPSTQDLATTEREVDPGSRRGQTNDNPSQDLVRVYLNIGIGKTALLTAEDEVELAQTIIEVGLYAEHLL
 KNSEEP LTRAMKRD LKVLAKDGKKARSHLLEANLRLVSLAKRYTGRGMPLLDLIQEGNLGLIRAMEKF
 DYSKGFKESTYATWWIRQAITRGMAQSRITRLPVHLVEQVNKLSRIKRELYQHLGREATNEELAEESG
 IEESKIEMLLRQSRDPVSLDMPVGADEEAPLGDFIEDSEATDAESAVVASMRHSDIRAVLNTLEPREQD
 VIRLRYGLDDGVPTLDQIGRRFGLSRERVRQIEREVMSKLRDGERASRLREYQAQ

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